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ABSTRACT

The Cooperative Research Program (CRP) was organized in 1956 by the U.S. Office of Education. This 7-year program developed new knowledge about major educational problems and devised new applications of existing knowledge for solving problems. The average contribution of the Federal Government to each project was \$50,000 for a 2-year project or \$25,000 per year. The amount contributed by colleges, universities and state departments of education varied widely but was used for services, facilities and differential overhead. During the first 4 years of the program only basic and applied research projects were supported; however, in 1961 the program was broadened to include field demonstrations and developmental projects. Until 1962 a nine member research review committee evaluated proposals; four five-member technical review panels were established in 1962, to evaluate the basic and applied research proposals. Dissemination of information concerning the program was achieved through printed media and by staff members at conferences and seminars. A list of approved projects gives information concerning project number, investigator and location, title, and duration of the projects. Appendixes include a listing of principal investigators and project number, institutions and agencies conducting research, subject index, libraries maintaining CRP final reports, final reports available and cost, and Cooperative Research Publications. (MJM)

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Circular No. 736

COOPERATIVE RESEARCH PROJECTS

A Seven-year Summary

July 1, 1956 - June 30, 1963

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

ANTHONY J. CELEBREZZE, *Secretary*

Office of Education

FRANCIS KEPPEL, *Commissioner*

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Foreword

PROFESSIONAL EDUCATORS have long recognized the need for more and better research. Decisions which are made should be based upon the best evidence that can be produced, and the most efficient method of accumulating reliable evidence is that of research.

In recent years the demand for more effective educational programs at all levels has emphasized the need for reliable information which can best be obtained through research. The 83d Congress of the United States, as well as successive sessions of Congress, recognized the paucity of existing educational research and appropriated Federal funds for the purpose of supporting colleges, universities, and State departments of education to conduct research.

This publication is a compilation of projects which have been approved for Federal funding under the auspices of the Cooperative Research Program (CRP) since its inception in 1957. Each project is listed and identified by a CRP project number followed by the investigator(s), institution, title, and expected duration of the project. The appendixes contain an alphabetical list of principal investigators; a list by State of institutions or agencies conducting CRP projects; a subject index of CRP projects by number; a list of depository libraries by State where final reports are available; a list of final reports available on microfilm or in photocopy; and a list of CRP publications.

This publication should be a valuable tool for educational researchers, professors of education, local and State educational administrators, and teachers.

FRANCIS A. J. IANNI
Director
Cooperative Research Branch

RALPH C. M. FLYNT
Associate Commissioner for
Educational Research and
Development

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Introduction

Authority and Purposes

IN 1954 THE 83D CONGRESS of the United States enacted Public Law 531 (Chapter 576, 2d Session H.R. 9040) which authorized the Commissioner of Education to enter into financial agreements with colleges, universities, and State education agencies for research, surveys, and demonstrations in the field of education. In broad terms, the purposes of the Cooperative Research Program are to—

- Develop new knowledge about major educational problems
- Devise new applications of existing knowledge for solving problems

Overview

The Office of Education's Cooperative Research Program began operating on July 1, 1956. During the first fiscal year (1957), 316 proposals were submitted to the program and a million dollars was appropriated for research. To determine the extent of growth during the past 7 years, one need only observe the increase in the appropriations and number of proposals received and supported as shown in the following tabulation:

Fiscal year	Appropriation (Millions of dollars)	Proposals received	Proposals supported	Percent supported
1957-----	1.0	316	108	34
1958-----	2.3	173	50	29
1959-----	2.7	279	86	31
1960-----	3.2	321	82	26
1961-----	3.6	393	97	24
1962-----	5.0	451	113	25
1963-----	6.9	536	137	25

Appropriations made to the program through fiscal year 1963 totaled \$24.7 million. A total of \$11.5 million has been appropriated for fiscal year 1964.

The average contribution of the Federal Government to each project was approximately \$50,000 for a 2-year project, or \$25,000 per year. The cost of an individual project ranged from less than \$1,000 to more than \$1 million. The amount contributed by colleges, universities, and State departments of education varies widely, but typically it is for services, facilities, and differential overhead. During the first 4 years of the program, only basic and applied research projects were supported. However, in 1961 the sphere of activity of the program was broadened to support field demonstrations and developmental projects. (Field demonstrations are activities that demonstrate basic research findings, and developmental projects are designed to be stimulatory in nature.) There are three types of developmental projects: (1) conference, (2) individual, and (3) seminar.

Funds were allocated for special projects in fiscal 1962 and 1963. Under this portion of the program, English study centers were initiated in fiscal 1962. In fiscal 1963, two social studies curriculum centers were established, as were two centers to demonstrate materials and methods that can be used effectively with the gifted student. Funds are being provided in fiscal 1964 for the following new programs: a small contracts research program, a curriculum improvement program, a research and development center program, and a demonstration program.

Program Organization

The Cooperative Research Program is an extramural program of the Office of Education, since it receives educational research proposals from colleges, universities, and State agencies. These proposals request Federal financial support under the terms of Public Law 531. Before granting support on a proposal, the Commissioner of Education obtains the advice and recommendations

of educational research specialists who are competent to evaluate it.

Until calendar year 1962 a nine-member Research Review Committee evaluated proposals; however, in 1962 four five-member Technical Review Panels were established to aid in the evaluation of basic and applied research proposals. At the same time the name of the Research Review Committee was changed to the Research Advisory Council. Each of the panels was composed of two council members and three other consultants. The four panel areas were labeled: (1) curriculum and instruction, (2) environment, (3) personnel and processes, and (4) English.

With further program expansion in fiscal 1964, three additional panels were established to evaluate proposals in the following program areas: (1) curriculum improvement, (2) demonstration, and (3) research and development centers.

Proposal Evaluation Procedures

All research proposals received in the Cooperative Research Branch are processed in the branch and, with the exception of small contract proposals, are given an informational review by specialists within the Office of Education. Small contract proposals, for the purpose of fast evaluation, are reviewed only by field readers. Proposals in the curriculum improvement and demonstration programs are reviewed by field readers outside the Office of Education. These reviews, as the OE specialists' reviews, serve as supplementary information for the technical review panel.

On the basis of the evaluation, each proposal is classified into one of the following categories:

- (1) approved,
- (2) provisionally approved,
- (3) deferred,
- (4) disapproved with advice to resubmit,
- (5) disapproved.

Deadlines for proposal submission are September 1, December 1, and March 1. There is no deadline for either the small contracts research or developmental program proposals.

Dissemination Procedures

Information is continually disseminated about the program in general and completed and ongoing research projects in particular, through printed media and by staff members at conferences and seminars. Currently, the Cooperative Research Branch publishes periodic newsletters, monographs of selected final projects, a yearbook describing projects initiated during the fiscal year, and a publication that is a cumulative listing of projects approved by the program since its inception. Single copies of these materials are available free upon request from the Publications Inquiry Unit of the Office of Education or directly from the program. Multiple copies of the monographs and yearbooks may be secured, at nominal cost, from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402.

Final project reports are distributed to subscribing libraries by the Documents Expediting Project of the Library of Congress. Photocopies or microfilms of final reports may be purchased from the Photoduplication Service of the Library of Congress. Summaries of selected final reports and brief descriptions of ongoing projects are available directly from the program.

Projects Approved

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
008	Francis Stroup and Dean Andrew Southern State College Magnolia, Ark.	Barriers to College Attendance	October 1956 to September 1958
009	Arthur Kreisman Southern Oregon College Ashland, Oreg.	A Block Teaching Project, Integrating Humanities and Social Science	September 1957 to August 1959
011	Charles K. Ray University of Alaska College, Alaska	A Program of Education for Alaska Natives	January 1957 to December 1958
012	Albert J. Reiss, Jr. Vanderbilt University Nashville, Tenn.	A Sociopsychological Study of Conformity and Deviation Among Adolescents	October 1956 to June 1957 (<i>see #507</i>)
014	Donald D. Durrell Boston University Boston, Mass.	Language Achievements of Mentally Retarded Children	October 1956 to June 1957
015	William C. Kvaraceus Boston University Boston, Mass.	Refinement of a Nonverbal Group Measure of Delinquency Proneness That Can Be Used With Nonreaders, Slow Learners, and Mentally Retarded Children	October 1956 to September 1958
018	William M. Cruickshank, Louis A. Fleigler, and Jean Hebeler Syracuse University Syracuse, N.Y.	A Study of the Structure of Attitudes of Parents of Educable Mentally Retarded Children and a Study of the Change in Attitude Structure, Volumes I and II	October 1956 to January 1960
019	Rudolph J. Capobianco Syracuse University Syracuse, N.Y.	Quantitative and Qualitative Analyses of Endogenous and Exogenous Children in Some Reading Processes	December 1956 to November 1957
025	Carson McGuire University of Texas Austin, Tex.	Talented Behavior in Junior High Schools	February 1957 to August 1960
026	John R. Peck University of Texas Austin, Tex.	A Comparative Investigation of the Learning and Adjustment of Trainable Children in Public School Facilities, Segregated Community Centers and State Residential Centers	January 1957 to September 1959
037	Christian W. Jung and Wendell W. Wright Indiana University Bloomington, Ind.	Why Capable High School Students Do Not Continue Their Schooling	September 1956 to September 1958
039	Lloyd S. Standlee Indiana University Bloomington, Ind.	An Investigation of the Professional Preparation and Performance of Students Graduating from Teacher Training Institutions in Indiana	October 1956 to October 1957
042	Jerome G. Manis Western Michigan University Kalamazoo, Mich.	Migrant Education	January 1957 to September 1958

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
043	Viola Cassidy and Jeanette C. Stanton Ohio State University Columbus, Ohio	An Investigation of Factors Involved in the Educational Placement of Mentally Retarded Children	January 1957 to December 1958
047	Raymond G. Kuhlen Syracuse University Syracuse, N.Y.	Motivational and Personality Factors in the Selection of Elementary and Secondary School Teaching as a Career	October 1956 to January 1958
048	Raymond G. Kuhlen Syracuse University Syracuse, N.Y.	Career Development in the Public School Teaching Profession With Special Reference to Changing Motivations, Pressures, Satisfactions, and Dissatisfactions	February 1957 to January 1959
052	Sister Mary Viterbo McCarthy Regis College Weston, Mass.	The Effectiveness of a Modified Counseling Procedure in Promoting Learning Among Bright Underachieving Adolescents	October 1956 to August 1957
055	Marguerite Thorsell Kansas State Department of Public Instruction Topeka, Kans.	The Education of Educable Mentally Retarded Children in Sparsely Populated Rural Areas	January 1957 to December 1959
065	William P. Kuvlesky and Roy C. Buck Pennsylvania State University University Park, Pa.	The Teacher-Student Relationship: A Study of Community Expectations	January 1957 to December 1959
076	Gordon N. Cantor George Peabody College for Teachers Nashville, Tenn.	An Investigation of Discrimination Learning Ability in Mongoloid and Normal Children of Comparable Mental Age	January 1957 to June 1958
078	Charles V. Mange Syracuse University Syracuse, N.Y.	An Investigation of Relationships Between Articulatory Development and Development of Phonetic Discrimination and Word Synthesis Abilities in Young Mentally Retarded and Normal Children	December 1956 to March 1959
081	Rudolph J. Capobianco Syracuse University Syracuse, N.Y.	An Investigation of the Reasoning Methods and Reasoning Ability in Mentally Retarded Children	December 1956 to November 1957
082	Louis M. DiCarlo Syracuse University Syracuse, N.Y.	A Comparative Study of Some Characteristics in Achievers and Nonachievers Among Children With Retarded Mental Development	December 1956 to December 1957
090	William M. Cruickshank Syracuse University Syracuse, N.Y.	Teaching Methodology for Brain-Injured and Hyperactive Children	December 1956 to January 1959
091	G. Orville Johnson Syracuse University Syracuse, N.Y.	Comparative Studies of Some Learning Characteristics in Mentally Retarded and Normal Children of the Same Mental Age: (I) Learning, Recognition, Recall, and Savings; (II) Proactive and Retroactive Inhibition; (III) Generalization; (IV) Reasoning	December 1956 to May 1958
092	Rudolph J. Capobianco Syracuse University Syracuse, N.Y.	Social Behavior of Mentally Retarded Children in Public School and Institution Environments	December 1956 to November 1957
096	Warren A. Ketcham University of Michigan Ann Arbor, Mich.	A Description and Analysis of Longitudinal Records of Development Among Elementary Children at Ferndale, Mich.	February 1957 to January 1958

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
098	Jacob W. Getzels and Philip W. Jackson University of Chicago Chicago, Ill.	Varieties of Giftedness in the Classroom: Studies of Cognitive and Psychosociological Functioning in Adolescents	January 1957 to January 1958
099	Alvin Zander and Elmer Van Egmond University of Michigan Ann Arbor, Mich.	Effects of Children's Social Power and Intelligence on Their Interpersonal Relations	February 1957 to September 1957
103	Lloyd M. Dunn George Peabody College for Teachers Nashville, Tenn.	The Effectiveness of Special Day Class Training Programs for Severely (Trainable) Mentally Retarded Children	January 1957 to June 1958
109	Leo F. Cain and Samuel Levine San Francisco State College San Francisco, Calif.	Study of the Effect of Special Day-Training Classes for the Severely Mentally Retarded	March 1957 to June 1958
120	James S. Coleman University of Chicago Chicago, Ill.	Social Structures and Social Climates in High Schools	February 1957 to March 1959
127	William M. Cruickshank Syracuse University Syracuse, N.Y.	A Comparative Study of Mentally Handicapped and Intellectually Normal Boys on Selected Tasks Involving Learning and Transfer	December 1956 to November 1957
131	Pablo Roca University of Puerto Rico Rio Piedras, P.R.	Construction of a General Ability Group Test for Puerto Rican Students in Elementary and Secondary Schools	February 1959 to August 1960
139	W. R. Burris Mississippi State Department of Education Jackson, Miss.	Study of Screening Procedures for Special Education Services to Mentally Retarded Children	June 1957 to May 1959
142	Douglas Porter Harvard University Cambridge, Mass.	Application of Reinforcement Principles to Classroom Teaching: The Teaching of Phonemically and Orthographically Analyzed Spelling Materials by an Automatic Mechanical Teaching Device	July 1957 to September 1958
144	J. Wayne Wrightstone New York State Education Department Albany, N.Y.	A Comparison of Educational Outcomes Under Single- and Two-Track Plans for Educable Mentally Retarded Children	May 1957 to August 1959
145	Drexel Lange, Lloyd L. Smith, and James B. Strout Iowa State Department of Public Instruction Des Moines, Iowa	Effects of a Comprehensive Opportunity Program on the Development of Educable Mentally Retarded Children	February 1957 to June 1959
146	William R. Carricker Nebraska State Department of Education Lincoln, Nebr.	A Comparison of Postschool Adjustment of Regular and Special Class Retarded Individuals Served in Lincoln and Omaha, Nebr., Public Schools	January 1957 to July 1957
148	Samuel M. Goodman New York State Education Department Albany, N.Y.	The Quality Measurement Project	February 1957 to August 1958

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
149	Julian C. Stanley and Ellen Y. Beeman University of Wisconsin Madison, Wis.	Restricted Generalization, Bias, and Loss of Power That May Result from Matching Groups	February 1957 to June 1957
150	Kai Jensen University of Wisconsin Madison, Wis.	Conditions Influencing Insight and Problem Solving Behavior in the Mentally Retarded	January 1957 to June 1959
151	Virgil E. Herrick and Theodore L. Harris University of Wisconsin Madison, Wis.	Perception of Symbols in Skill Learning by Mentally Retarded, Gifted, and Normal Children	January 1957 to June 1957
152	Robert J. Francis and G. Lawrence Rarick University of Wisconsin Madison, Wis.	Motor Characteristics of the Mentally Retarded	February 1957 to June 1957
153	Herbert J. Klausmeier University of Wisconsin Madison, Wis.	An Analysis of Learning Efficiency in Arithmetic of Mentally Retarded Children in Comparison With Children of Average and High Intelligence	January 1957 to June 1959
154	Thomas A. Ringness University of Wisconsin Madison, Wis.	Emotional Reactions to Learning Situations as Related to the Learning Efficiency of Mentally Retarded Children	January 1957 to June 1959
155	Margaret Hudson George Peabody College for Teachers Nashville, Tenn.	Identification and Evaluation of Methods for Teaching Severely Mentally Retarded (Trainable) Children	February 1957 to December 1958
156	J. T. Kelly and J. B. White University of Florida Gainesville, Fla.	Florida Study of Teacher Education: An Evaluation of the Preservice Program	February 1957 to June 1957
157	Frances A. Mullen Illinois State Department of Public Instruction Springfield, Ill.	How Mentally Handicapped Children Learn Under Classroom Conditions: (I) Achievement and Adjustment of Educable Mentally Handicapped Children, (II) Teaching the Educable Mentally Handicapped Child, (III) The Chicago Test of General Information and General Comprehension for Educable Mentally Handicapped Children, (IV) Personality Appraisal of Educable Mentally Handicapped Children, (V) The Chicago Cooperative Research Project Practical Reading Test, (VI) Brief Screening Instruments for Evaluating the Academic Skills and Personal Adjustment of Educable Mentally Handicapped Children	March 1957 to December 1960
159	M. D. Steer Purdue University Lafayette, Ind.	Application of Mower's Autistic Theory to the Speech Habilitation of Mentally Retarded Pupils	June 1957 to May 1958
160	L. A. Van Dyke and K. B. Hoyt Iowa State Department of Public Instruction Des Moines, Iowa	The Dropout Problem in Iowa High Schools	February 1957 to June 1958
162	Ruth Boyle Newark State College Newark, N.J.	How Can Reading Be Taught to Educable Adolescents Who Have Not Learned To Read?	April 1957 to June 1959

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
165	Leon Lassers and Gordon Low San Francisco State College San Francisco, Calif.	A Study of the Relative Effectiveness of Different Approaches of Speech Training for Mentally Retarded Children	March 1957 to December 1959
*166	Ernest V. Hollis U.S. Office of Education Washington, D.C.	Factors Related to Application, Admission, Registration, and Persistence in College	January 1957 to June 1958
167	Maurice H. Fouracre Teachers College Columbia University New York, N.Y.	The Effects of a Preschool Program Upon Young Educable Mentally Retarded Children, Volumes I and II	January 1957 to December 1961
168	Thelma G. Thurstone University of North Carolina Chapel Hill, N.C.	An Evaluation of Educating Mentally Handicapped Children in Special Classes and in Regular Classes	February 1957 to December 1959
169	John E. Stecklein and Ruth E. Eckert University of Minnesota Minneapolis, Minn.	An Exploratory Study of Factors Influencing the Choice of College Teaching as a Career	February 1957 to November 1957
170	Irving Lorge Teachers College Columbia University New York, N.Y.	Terminology and Concepts in Appraising the Mentally Retarded	February 1957 to June 1958
171	Stanley Ainsworth University of Georgia Athens, Ga.	An Exploratory Study of Educational, Social, and Emotional Factors in the Education of Mentally Retarded Children in Georgia Public Schools	July 1957 to June 1959
172	William G. Wolfe and James R. MacPherson University of Texas Austin, Tex.	The Evaluation and Development of Techniques for Testing Auditory Acuity of Trainable Mentally Retarded Children	February 1957 to September 1959
173	William H. Edson and Roger E. Wilk University of Minnesota Minneapolis, Minn.	An Experimental Study of the Admissions Interview in Teacher Education for Predicting Success in Teaching	January 1957 to June 1958
174	Walter W. Cook University of Minnesota Minneapolis, Minn.	A Study of Factors Operative in the Selective Retention of Students in Teacher Education	January 1957 to June 1960
175	Eunest P. Willenberg and Nathan S. Leichman California State Department of Education Sacramento, Calif.	Parent Attitudes in Rearing Mentally Retarded Children	July 1957 to June 1960
176	John O. Anderson and others Southern Illinois University Carbondale, Ill.	Perceptual and Response Abilities of Mentally Retarded Children	March 1957 to March 1959

*Involves contracts with 20 participating institutions.

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
178	John J. Lee, Thorleif G. Hegge, Paul H. Voelker, and Chester M. Loomis Wayne State University Detroit, Mich.	Study of Social Adequacy and of Social Failure of Men- tally Retarded Youth in Wayne County, Mich.	January 1957 to June 1959
179	George G. Stern Syracuse University Syracuse, N.Y.	Sociological and Educational Factors in the Etiology of Juvenile Delinquency	February 1957 to January 1959
181	Nathan Goldman Syracuse University Syracuse, N.Y.	A Sociopsychological Study of School Vandalism	February 1957 to July 1959
183	George G. Stern and Joseph M. Masling Syracuse University Syracuse, N.Y.	Unconscious Factors in Career Motivation for Teaching	February 1957 to January 1958
184	Nancy E. Wood Western Reserve University Cleveland, Ohio	Language Disorders in Children	April 1957 to December 1959
185	Willard Abraham Arizona State University Tempe, Ariz.	Investigation of Mental Retardation and Pseudomental Retardation in Relation to Bilingual and Subcultural Factors	June 1957 to June 1960
186	E. Gil Boyer and Harry S. Novack Rhode Island State Department of Education Providence, R.I.	The Adaptation for Group Classroom Use of Clinical Techniques for Teaching Brain-Injured Children	September 1959 to February 1961
192	Maynard C. Reynolds and Clayton L. Stunkard University of Minnesota Minneapolis, Minn.	A Comparative Study of Day Class v. Institutionalized Educable Retardates	May 1957 to June 1960
200	Paul H. Bowman and Charles V. Matthews University of Chicago Chicago, Ill.	Motivation of Youth for Leaving School	July 1957 to June 1959
201	William W. Wattenberg Wayne State University Detroit, Mich.	Relationship of School Experiences to Delinquency	September 1957 to June 1959
208	Paul H. Bowman and James V. Price University of Chicago Chicago, Ill.	Educational Motivation Patterns of Superior Students Who Do and Do Not Achieve in High School	July 1957 to June 1959
212	Leon R. Graham Texas Education Agency Austin, Tex.	Development of Standard and Correlated Dimensions of Material—Components in School Construction	September 1957 to June 1960
214	Daniel E. Griffiths and John Hemphill Teachers College Columbia University New York, N.Y.	Dimensions of Administrative Performance	May 1957 to June 1960
217	John B. Carroll Harvard University Cambridge, Mass.	Personality Factors in the Development of Communication and Leadership Skills	September 1957 to June 1960

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
221	Blake S. Root George Washington University Washington, D.C.	An Evaluation of Supervised Correspondence Study as a Means of Helping Relieve the Teacher Shortage	July 1957 to March 1958
226	John C. Flanagan and others University of Pittsburgh Pittsburgh, Pa.	A Survey and Followup Study of Educational Plans and Decisions in Relation to Aptitude Patterns: Studies of the American High School	July 1957 to June 1962
244	Roxana R. Ford and Cyril J. Hoyt University of Minnesota Minneapolis, Minn.	The Identification and Measurement of Secondary School Homemaking Teachers Associated With Their Ability To Maintain Desirable Learning Situations	July 1957 to June 1960
245	W. H. Cowley and Charles J. Brauner Stanford University Stanford, Calif.	Evolution of American Educational Theory	July 1957 to June 1959
247	J. Kenneth Little University of Wisconsin Madison, Wis.	A Statewide Inquiry Into Decisions of Youth About Education Beyond High School	May 1957 to August 1958
258	B. Othanel Smith and Milton O. Meux University of Illinois Urbana, Ill.	A Study of the Logic of Teaching	September 1957 to August 1962
259A	Eric F. Gardner and George G. Thompson Syracuse University Syracuse, N.Y.	The Investigation and Measurement of the Social Values Governing Interpersonal Relations Among Adolescent Youth and Their Teachers	July 1957 to June 1962
259B	Eric F. Gardner and George G. Thompson Ohio State University Columbus, Ohio	The Investigation and Measurement of the Social Values Governing Interpersonal Relations Among Adolescent Youth and Their Teachers	October 1959 to June 1962
263	Theodore E. Harris, Virgil E. Herrick, and G. Lawrence Rarick University of Wisconsin Madison, Wis.	Perception of Symbols in Skill Learning by Mentally Retarded, Gifted, and Normal Children	July 1957 to June 1961
266	William E. Martin and Abraham H. Blum Purdue University Lafayette, Ind.	Psychological Characteristics Underlying the Educa-bility of the Mentally Retarded Child. (I) Concept Formation and Transposition in Young Mentally Re-tarded and Normal Children	September 1957 to August 1958
273	Marian B. Miller Delaware State Department of Education Dover, Del.	Guidance and Elementary School Climate	September 1957 to August 1961
274	T. Bentley Edwards University of California Berkeley, Calif.	Attitudes of High School Students as Related to Success in School	August 1957 to July 1958
275	Miles V. Zintz University of New Mex. Albuquerque, N. Mex.	The Indian Research Study, Sections I and II	August 1957 to July 1960
289	John H. Gaeth Wayne State University Detroit, Mich.	Verbal Learning Among Children With Reduced Audi-tory Acuity	September 1957 to August 1960

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
297	Frederick B. Davis and Gerald S. Lesser Hunter College New York, N.Y.	The Identification and Classroom Behavior of Elementary School Children Gifted in Five Different Mental Characteristics	September 1957 to August 1959
307	Theodore Albers and Alfred M. Potts Colorado State Department of Education Denver, Colo.	Providing Education for Migrant Children	January 1958 to December 1960
308	William R. Odell and Richard F. Carter Stanford University Stanford, Calif.	Communities and Their Schools Voters and Their Schools	August 1957 to June 1960
309	Calvin F. Schmid University of Washington Seattle, Wash.	Population Trends on Educational Change in the State of Washington	September 1957 to November 1958
313	Velma Linford Wyoming State Department of Education Cheyenne, Wyo.	Wyoming Mental Ability Survey	October 1957 to October 1958
320	Paul R. Klohr and Elsie J. Alberty Ohio State University Columbus, Ohio	The Identification and Development of Talent in Heterogeneously Occupied Students in a General Education Program at the Secondary School Level	January 1958 to June 1959
324	Walter Loban University of California Berkeley, Calif.	Language Ability in the Middle Grades of the Elementary School	January 1958 to December 1960
330	Robert C. Angell, John Colombotos, Amos Hawley, and Morris Janowitz University of Michigan Ann Arbor, Mich.	Sources of Professionalism: A Study of High School Teachers	December 1957 to May 1959
332	Howard Newburger and Helen Schucman New York University New York, N.Y.	Measurement of Educability of Severely Mentally Retarded Children	April 1958 to April 1959
333	James W. Reynolds University of Texas Austin, Tex.	An Analysis of Community Service Programs of Junior Colleges	January 1958 to August 1959
336	Robert E. Hewes and Richard W. Willard Massachusetts Institute of Technology Cambridge, Mass.	Investigation of the Use of Statistics in Counseling Students	January 1958 to June 1959
341	Samuel E. Burr, Jr., R. Merle Eyman, and Wylie H. Russell American University Washington, D.C.	Development of Fiscal Relationships of State Departments of Education	February 1958 to September 1958
348	Walter T. Plant San Jose State College San Jose, Calif.	Personality Changes Associated With a College Education	February 1958 to September 1962

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
352	Louis M. Heil, Marion Powell, and Irwin Feifer Brooklyn College Brooklyn, N.Y.	Characteristics of Teacher Behavior Related to the Achievement of Children in Several Elementary Grades	February 1958 to January 1960
353	Marie M. Hughes University of Utah Salt Lake City, Utah	Development of the Means for the Assessment of the Quality of Teaching in the Elementary Schools	April 1958 to August 1959
365	Dale B. Harris University of Minnesota Minneapolis, Minn.	A Study of the Modification of Parental Attitudes Toward an Understanding of Mentally Retarded Children	April 1958 to August 1959
367	Paul A. Witty Northwestern University Evanston, Ill.	A Study of the Interests of Children and Youth	June 1958 to December 1959
368	Merle W. Tate, Barbara Stanier, and Berj Harootunian University of Pennsylvania Philadelphia, Pa.	Difference Between Good and Poor Problem Solvers	April 1958 to August 1959
371	Bruce J. Biddle University of Kansas City Kansas City, Mo.	Role of the Teacher and Occupational Choice	July 1958 to August 1960
372	Paul L. Dressel, Irvin J. Lehman, and Stanley O. Ikenberry Michigan State University East Lansing, Mich.	Critical Thinking, Attitudes, and Values in Higher Education	April 1958 to September 1959
375	Burton W. Kreitlow University of Wisconsin Madison, Wis.	Long-Term Study of Educational Effectiveness of Newly Formed Centralized School Districts in Rural Areas	April 1958 to June 1961
377	William W. Wattenberg Wayne State University Detroit, Mich.	Relationship of Self-Concept to Beginning Achievement in Reading	July 1958 to June 1962
378	C. Robert Pace and George G. Stern Syracuse University Syracuse, N.Y.	Studies of College Environments	July 1958 to June 1960
379	T. Bentley Edwards and Alan B. Wilson University of California Berkeley, Calif.	A Study of Some Social and Psychological Factors Influencing Educational Achievement Levels	August 1958 to June 1961
382	Philip A. Annas, Mannon B. Smith, and Ruth Pennell Maine State Department Augusta, Maine	Development of a Program for Mentally Retarded Children in Rural Schools	April 1958 to September 1959
385	John K. Coster, Norbert J. Nelson, and Frank J. Woerdehoff Purdue University Lafayette, Ind.	Vocational Education in Public Schools as Related to Social, Economic and Technical Trends: (I) The Analysis of Trends and Concepts, (II) The Appraisal of Programs of Vocational Agriculture and Industrial Education, (III) Bidimensional Approach to Educational Appraisal	June 1958 to November 1959

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
387	Mildred C. Templin University of Minnesota Minneapolis, Minn.	A Study of Cognitive Development and Performance in Children With Normal and Defective Hearing	April 1958 to March 1963
390	Richard deCharms and Thomas E. Jordan Washington University St. Louis, Mo.	The Achievement Motive in Normal and Mentally Retarded Children	March 1958 to January 1959
392	Gerald S. Lesser and Frederick B. Davis Hunter College New York, N.Y.	Identification of Gifted Elementary School Children With Exceptional Scientific Talent	July 1958 to March 1960
397	Ned A. Flanders University of Minnesota Minneapolis, Minn.	Teacher Influence, Pupil Attitudes and Achievement	July 1958 to September 1960
401	Melvin S. Brooks and Robert L. Hilgendorf Southern Illinois University Carbondale, Ill.	The Social Problems of Migrant Farm Laborers: Effect of Migrant Farm Labor on the Education of Children	May 1958 to June 1959
403	Alexander Calandra Washington University St. Louis, Mo.	A Project in the Teaching and Development of an Integrated Physics-Algebra Course at the Ninth-Grade Level	April 1958 to March 1959
407	Donald D. Durrell and others Boston University Boston, Mass.	Adapting Instruction to the Learning Needs of Children in the Intermediate Grades	May 1958 to October 1959
408	Clyde J. Baer and others Missouri State Department of Education Jefferson City, Mo.	A Preliminary Exploration of Factors Associated With School Holding Power for Educable Mentally Retarded Adolescents	April 1958 to January 1962
412	Archie O. Haller and Irwin W. Miller Michigan State University East Lansing, Mich.	The Occupational Aspiration Scale: Theory, Structure, and Correlates	March 1958 to February 1961
416	Leo F. Cain San Francisco State College San Francisco, Calif.	Study of the Effects of Special Day Training Classes for the Severely Mentally Retarded	July 1958 to June 1959
418	Lee Meyerson and John L. Michael University of Houston Houston, Tex.	The Measurement of Sensory Thresholds in Exceptional Children: An Experimental Approach to Some Problems of Differential Diagnosis and Education With Special Reference to Hearing	June 1958 to November 1959
419	Nicholas A. Fattu Indiana University Bloomington, Ind.	Problem-Solving Performance of Elementary School Teachers on Professional Criteria: (I) The Development of Criteria, (II) Teachers of Arithmetic, Grades 3 to 6, (III) Teachers of Reading, Grades 2 to 5, (IV) Further Investigation of Teachers of Arithmetic, Grades 3 to 6	July 1958 to June 1960
423	Nellie D. Hampton and Tom A. Lamke Iowa State Department of Public Instruction Des Moines, Iowa	Effects of Special Training on the Achievement and Adjustment of Gifted Children	March 1958 to June 1959

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
424	Ralph Garry and Anna Ascarelli Boston University Boston, Mass.	An Experiment in Teaching Topographical Orientation and Spatial Organization to Congenitally Blind Children	April 1958 to September 1959
428	Herbert A. Thelen and others University of Chicago Chicago, Ill.	Teachability Grouping: A Research Study of the Rationale, Methods, and Results of "Teacher-Facilitive" Grouping	July 1958 to August 1960
436	William W. Cooley Harvard University Cambridge, Mass.	Career Development of Scientists: An Overlapping Longitudinal Study	July 1958 to June 1963
438	T. R. McConnell University of California Berkeley, Calif.	The Influence of Different Types of Public Higher Institutions on College Attendance From Varying Socio-economic and Ability Levels	October 1958 to September 1959
444	Robert M. W. Travers and others University of Utah Salt Lake City, Utah	Measured Needs of Teachers and Their Behavior in the Classroom	October 1958 to September 1961
451	Alvin Zander, Theodore Curtis, and Howard Rosenfeld University of Michigan Ann Arbor, Mich.	The Influence of Teachers and Peers on Aspirations of Youth	September 1958 to August 1960
453	John Schmid and others University of Arkansas Fayetteville, Ark.	An Analysis of Some Necessary Qualities of Teachers	January 1959 to January 1962
454	John I. Goodlad University of Chicago Chicago, Ill.	The Development of a Conceptual System for Dealing With Problems of Curriculum and Instruction	July 1958 to June 1960
457	Walter D. Smith and John A. Demming Florida State University Tallahassee, Fla.	Late School Entrance and Children's Adjustment	June 1958 to September 1958
458	Horace M. Bond Atlanta University Atlanta, Ga.	A Study of Factors Involved in the Identification and Encouragement of Unusual Academic Talent Among Underprivileged Populations	September 1958 to August 1960
469	Robert S. Soar and Norman D. Bowers Vanderbilt University Nashville, Tenn.	Evaluation of Laboratory Human Relations for Classroom Teachers	December 1958 to January 1961
470	Kathryn A. Blake and Edward T. Donlon Syracuse University Syracuse, N.Y.	Studies of the Effects of Systematic Variations of Certain Conditions Related to Learning: (I) Conditions of Reinforcement	June 1958 to September 1959
473	Roger E. Wilk and others University of Minnesota Minneapolis, Minn.	A Study of the Relationship Between Observed Classroom Behaviors of Elementary Student Teachers, Predictors of Those Behaviors, and Ratings by Supervisors	June 1958 to September 1959
477	James G. Cooper College of Guam Agana, Guam	Conversational English for Non-English-Speaking Children	October 1958 to October 1961

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
485	J. Kenneth Little University of Wisconsin Madison, Wis.	Explorations Into the College Plans and Experiences of High School Graduates	September 1958 to August 1959
489	Mary V. Gaver Rutgers University New Brunswick, N.J.	Effectiveness of Centralized Library Service in Elementary Schools (Phase I)	January 1959 to June 1960
492	M. D. Steer and Theodore D. Hanley Purdue University Lafayette, Ind.	The Behavioral and Academic Implications of Hearing Loss Among Elementary School Children	February 1959 to July 1960
495	Bruce M. Siegenthaler Pennsylvania State University University Park, Pa.	Motivation of Speech and Hearing Handicapped Children	February 1959 to June 1960
499	John W. Keys, Richard F. Krug, and Henry E. Spuehler University of Oklahoma Norman, Okla.	Effects and Interactions of Auditory and Visual Cues in Oral Communication	February 1959 to January 1960
502	Edgar L. Lowell, Mary F. Woodward, and Carrol G. Baber University of Southern California Los Angeles, Calif.	Education of the Aurally Handicapped: A Psycholinguistic Analysis of Visual Communication	January 1959 to June 1960
503	George C. Mallinson Western Michigan University Kalamazoo, Mich.	An Analysis of the Factors Related to the Motivation and Achievement of Students in Science Courses in the Junior and Senior High School	February 1959 to August 1963
507	Albert J. Reiss, Jr., and Albert Lewis Rhodes State University of Iowa Iowa City, Iowa	A Sociopsychological Study of Adolescents' Conformity and Deviation	October 1958 to October 1959
509	J. Thomas Hastings and others University of Illinois Urbana, Ill.	The Use of Test Results	December 1958 to August 1960
510	Walter D. Smith Florida State University Tallahassee, Fla.	Late School Entrance, Social Acceptance and Children's School Achievement	January 1959 to October 1959
512	George G. Stern and Joseph M. Masling Syracuse University Syracuse, N.Y.	The Pedagogical Significance of Unconscious Factors in Career Motivation for Teaching	February 1959 to September 1960
513	Mamie L. T. Wilson Grambling College Grambling, La.	A Comparative Study of the Speech Responses and Social Ages of Two Selected Groups of Educable Mental Retardates	February 1959 to January 1960
525	Nicholas A. Fattu Indiana University Bloomington, Ind.	A Survey of Educational Research and an Appraisal by Scientists From Other Fields	October 1958 to August 1960
526	Jackson Toby Rutgers University New Brunswick, N.J.	Low School Status as a Predisposing Factor in Subcultural Delinquency	January 1959 to August 1961

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
532	LeRoy C. Ferguson Michigan State University East Lansing, Mich.	How State Legislators View the Problem of School Needs	January 1959 to August 1959
538	Jack A. Holmes and Harry Singer University of California Berkeley, Calif.	The Substrata-Factor Theory: Substrata Factor Differences Underlying Reading Ability in Known Groups	February 1959 to February 1961
542	Allison Davis and Robert D. Hess University of Chicago Chicago, Ill.	Relationships Between Achievement in High School, College, and Occupation: A Followup Study	November 1958 to October 1961
543	Andrew W. Halpin and Don B. Croft University of Utah Salt Lake City, Utah	The Organizational Climate of Schools	September 1959 to February 1961
550	Edwin H. Sauer Harvard University Cambridge, Mass.	Contract Correction: The Use of Lay Readers in the High School Composition Program	December 1958 to June 1961
551	Donald W. Oliver Harvard University Cambridge, Mass.	The Analysis of Public Controversy, A Study in Citizenship Education	December 1958 to June 1962
554	Robert G. Petzold University of Wisconsin Madison, Wis.	The Perception of Music Symbols in Music Reading by Normal Children and by Children Gifted Musically	January 1959 to June 1959
557	Ruth E. Eckert University of Minnesota Minneapolis, Minn.	A Study of the Motivations, Activities, and Satisfactions of Present and Prospective Women College Faculty Members	May 1959 to June 1960
561	Ruth G. Strickland Indiana University Bloomington, Ind.	The Language of Elementary School Children: Its Relationship to the Language of Reading Textbooks and the Quality of Reading of Selected Children	February 1959 to January 1962
562	David C. Beardslee and Donald D. O'Dowd Wesleyan University Middletown, Conn	Higher Education and the Occupational World	December 1958 to September 1959
566	John C. Flanagan University of Pittsburgh Pittsburgh, Pa.	The Identification, Development, and Utilization of Human Talents	December 1958 to November 1960
570	Louis M. Smith Washington University St. Louis, Mo.	Pupil Expectations of Teacher Leadership Behavior	March 1959 to January 1960
573	Robert E. Stake University of Nebraska Lincoln, Nebr.	The Effect of Television Instruction on Individual Learning Curves	April 1959 to November 1959
574	Robert L. Thorndike and Elizabeth P. Hagen Teachers College Columbia University New York, N.Y.	Characteristics of Men Who Have Remained In and Left Teaching	April 1959 to June 1960
577	Walter R. Borg Utah State University Logan, Utah	An Evaluation of Ability Grouping	June 1959 to December 1962

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
578	Neil A. Carrier, Kenneth D. Orton, and Leslie F. Malpass Southern Illinois University Carbondale, Ill.	Responses of Bright, Normal, and Retarded Children to Learning Tasks	April 1959 to March 1961
589	Leo F. Cain and Samuel Levine San Francisco State College San Francisco, Calif.	A Study of the Effects of Community and Institutional School Classes for Trainable Mentally Retarded Children	July 1959 to June 1961
590	Paul L. Dressel and Irvin J. Lehman Michigan State University East Lansing, Mich.	Critical Thinking, Attitudes, and Values in Higher Education	October 1959 to December 1962
591	Craig Wilson and Robert E. Bills West Virginia State Department of Education Charleston, W. Va.	(1) The Incentive Approach to State School Improvement; (2) An Assessment of Role Change	June 1959 to December 1960
594	Roger G. Baker and others University of Kansas Lawrence, Kans.	Big School—Small School, Studies of the Effects of High School Size Upon the Behavior and Experiences of Students	July 1959 to August 1962
608	Elizabeth M. Drews Michigan State University East Lansing, Mich.	The Effectiveness of Homogeneous and Heterogeneous Ability Grouping in Ninth-Grade English Classes With Slow, Average, and Superior Students	March 1959 to March 1961
613	E. J. Asher and Noel G. Markwell Purdue University Lafayette, Ind.	The Teenager's Conception of Mental Illness	March 1959 to September 1959
614	Nellie D. Hampton Iowa State Teachers College Cedar Falls, Iowa	Effects of Special Training on the Achievement and Adjustment of Gifted Children	March 1959 to August 1960
619	Herbert Goldstein University of Illinois Urbana, Ill.	The Efficacy of Special Class Training on the Development of Mentally Retarded Children	July 1959 to November 1964
620	Margaret C. Bryne University of Kansas Lawrence, Kans.	Development and Evaluation of a Speech Improvement Program for Kindergarten and First-Grade Children	July 1959 to August 1962
621	Calvin W. Taylor University of Utah Salt Lake City, Utah	Development of a Theory of Education From Psychological and Other Research Findings	June 1959 to September 1960
623	Merle M. Ohlsen and Fred C. Proff University of Illinois Urbana, Ill.	The Extent to Which Group Counseling Improves the Academic and Personal Adjustment of Underachieving Gifted Adolescents	March 1959 to June 1960
624	Seymour B. Sarason and Kenneth S. Davidson Yale University New Haven, Conn.	A Study of Teacher Behavior in Relation to Children Differing in Anxiety Level	July 1959 to June 1962
629	George L. Brandon Michigan State University East Lansing, Michigan	Explorations in Research Design: Curriculums for Technicians	April 1959 to August 1960

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
635	John C. Flanagan University of Pittsburgh Pittsburgh, Pa.	The Identification, Development, and Utilization of Human Talents	April 1959 to June 1963
637	Raymond C. Norris George Peabody College for Teachers Nashville, Tenn.	An Empirical Investigation of the Effects of Nonnormality Upon the Sampling Distribution of the Product Moment Correlation Coefficient	April 1959 to March 1960
639	Harry Levin and others Cornell University Ithaca, N.Y.	A Basic Research Program on Reading	July 1959 to June 1962
640	Archie N. Solberg and Charles L. Koelsch University of Toledo Toledo, Ohio	Facilities and Equipment Available for Teaching Science in the Public High Schools, 1958-1959	March 1959 to December 1959
642	Philip H. DuBois Washington University St. Louis, Mo.	Psychological Problems and Research Methods in Mathematics Training	March 1959 to June 1959
647	Earl J. McGrath Teachers College Columbia University New York, N.Y.	Analysis of the Curricular Offerings in Several Independent Liberal Arts Colleges	July 1959 to January 1961
648	William H. Lucio and M. A. Wenger University of California Los Angeles, Calif.	Prediction of Teacher Performance and Emotional Stability: A Psychological Study of Female Student Teachers	September 1959 to March 1961
649	M. D. Steer and others Purdue University Lafayette, Ind.	Public Speech and Hearing Services	April 1959 to March 1961
657	Donald Thistlethwaite Vanderbilt University Nashville, Tenn.	Recruitment and Retention of Talented College Students	July 1959 to January 1962
661	Lawrence M. Stolurow University of Illinois Urbana, Ill.	Principles for Programming Learning Materials in Self-Instructional Devices for Mentally Retarded Children	July 1959 to December 1961
664	John E. Drevdahl University of Miami Coral Gables, Fla.	A Study of the Etiology and Development of the Creative Personality	January 1950 to June 1961
668	Roy C. Bryan Western Michigan University Kalamazoo, Mich.	Reactions to Teachers by Students, Parents, and Administrators	September 1959 to August 1962
669	Irvin L. Child Yale University New Haven, Conn.	A Study of Esthetic Judgment	October 1959 to September 1962
672	G. R. Boyd Troy State College Troy, Ala.	Classroom Adjustment of the Underchosen Child Through Changes in Teachers' Attitudes and Behavior	August 1959 to December 1960
674	Donald R. Thomas University of Wisconsin Madison, Wis.	Determining an Effective Educational Program for Children of Migratory Workers in Wisconsin, Phase I	September 1959 to September 1960

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
677	Edgar L. Morphet and William C. Schutz University of California Berkeley, Calif.	Procedures for Identifying Persons With Potential for Public School Administrative Positions	September 1959 to December 1960
681	Herschel T. Manuel University of Texas Austin, Tex.	The Preparation and Evaluation of Inter-Language Testing Materials	September 1959 to August 1961
684	Malcolm R. Westcott Vassar College Poughkeepsie, N.Y.	Inference, Guesswork, and Creativity	October 1959 to December 1962
685	Stephen P. Quigley and others Gallaudet College Washington, D.C.	Institutionalization and Psychoeducational Development of Deaf Children	August 1959 to June 1961
686	Walter W. Cook University of Minnesota Minneapolis, Minn.	A Study of the Factors Operative in the Selective Retention of Students in Teacher Education, Part II	August 1959 to July 1963
690	Beatrice F. Jacoby Queens College Flushing, N.Y.	The Role of Nonverbal Symbols in the Education of the Deaf	September 1959 to August 1961
691	Robert Glaser, Julian I. Taber, and Lloyd E. Homme University of Pittsburgh Pittsburgh, Pa.	Investigations of the Characteristics of Programed Learning Sequences	September 1959 to August 1961
695	Kathryn A. Blake University of Georgia Athens, Ga.	Studies of the Effects of Systematic Variations of Certain Conditions Related to Learning. (II) Conditions of Practice	September 1959 to June 1961
696	Ruth B. Glassow University of Wisconsin Madison, Wis.	Improvement of Motor Development and Physical Fitness in Elementary School Children	August 1959 to September 1961
697	Robert F. DeHaan Hope College Holland, Mich.	A Study of Leadership in School-Age Children	September 1959 to August 1961
701	Raymond B. Cattell and others University of Illinois Urbana, Ill.	Prediction and Understanding of the Effect of Children's Interests on School Performance	September 1959 to August 1961
702	J. Thomas Hastings and Philip J. Runkel University of Illinois Urbana, Ill.	Effects on Use of Tests by Teachers Trained in a Summer Institute, Volumes I and II	July 1959 to April 1961
708	John B. Lansing University of Michigan Ann Arbor, Mich.	Contributions by Parents Toward the Cost of Higher Education	August 1959 to November 1960
714	Neal Gross Harvard University Cambridge, Mass.	Role of the Elementary, Junior High, and Senior High School Principal	July 1959 to June 1960
715	William W. Cooley and Robert D. Bassett Harvard University Cambridge, Mass.	Evaluation and Followup Study of a Science and Mathematics Program for Talented Secondary School Students	July 1959 to June 1960

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
722	Richard L. Simpson and David R. Norsworthy University of North Carolina Chapel Hill, N.C.	Occupational Choice and Mobility in the Urbanizing Piedmont of North Carolina	August 1959 to August 1960
725	E. Paul Torrance University of Minnesota Minneapolis, Minn.	Role of Evaluation in Creative Thinking	August 1959 to October 1960
727	Patrick Suppes Stanford University Stanford, Calif.	Development of Mathematical Concepts in Children	September 1959 to August 1962
729	Julian F. S. Foster and others University of Santa Clara Santa Clara, Calif.	The Impact of a Value-Oriented University on Student Attitudes and Thinking	August 1959 to January 1961
730	William F. Battig University of Virginia Charlottesville, Va.	Analysis of Processes in Paired-Associate Learning	October 1959 to September 1961
736	Mervin B. Freedman Vassar College Poughkeepsie, N.Y.	Measurement and Evaluation of Change in College Women	September 1959 August 1961
737	J. P. Guilford, P. R. Merrifield, and Anna B. Cox University of Southern California Los Angeles, Calif.	Creative Thinking in Children at the Junior High School Level	August 1959 to August 1961
739	Charles Van Riper Western Michigan University Kalamazoo, Mich.	An Investigation of Differential Binaural Stimulation in the Teaching of Foreign Languages	September 1959 to October 1960
742	Carson McTire University of Texas Austin, Tex.	Factors Associated With the Educational Utilization of Human Talents, Part II	August 1959 to August 1960
748	Harold C. Hoffsommer University of Maryland College Park, Md.	Leisure-Time Activity—Interests of Teenage Youth in the Washington Metropolitan Area	September 1959 to October 1960
753	William Morse, Richard Bloom, and James Dunn University of Michigan Ann Arbor, Mich.	A Study of School Classroom Behavior From Diverse Evaluative Frameworks: Developmental, Mental Health, Substantive Learning, and Group Process	October 1959 to September 1961
757	Arthur A. Dole University of Hawaii Honolulu, Hawaii	A Study of Values and Determinants of Educational-Vocational Choices in Hawaii	October 1959 to September 1960
761	Howard E. Gruber and Morris Weitman University of Colorado Boulder, Colo.	Self-Directed Study: Experiments in Higher Education	September 1959 to February 1961
763	Edwin C. Lewis Iowa State University Ames, Iowa	Student-Teacher Interaction as a Determiner of Effective Teaching	September 1959 to June 1960

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
766	Robert G. Petzold University of Wisconsin Madison, Wis.	Development of Auditory Perception of Musical Sounds by Children in the First Six Grades	September 1959 to June 1960
783	Roscoe A. Boyer University of Mississippi University, Miss.	The Use of Mathematical Programming To Solve Certain Problems in Public School Transportation	June 1960 to May 1961
787	Edgar Z. Friedenberg and Carl Nordstrom Brooklyn College Brooklyn, N.Y.	Why Successful Students of the Natural Sciences Abandon Careers in Science	January 1960 to June 1961
789	Julian C. Stanley and David E. Wiley University of Wisconsin Madison, Wis.	Development and Analysis of Experimental Designs for Ratings	February 1960 to June 1961
790	Charles D. Smock Purdue University Lafayette, Ind.	Effects of Motivational Factors on Perceptual-Cognitive Proficiency of Children Who Vary in Intellectual Level	February 1960 to August 1962
798	Bryce B. Hudgins and Louis M. Smith Washington University St. Louis, Mo.	An Analysis of Laboratory and Classroom Group Functioning	February 1960 to May 1962
801	Wallace H. Maw University of Delaware Newark, Del.	An Exploratory Investigation Into the Measurement of Curiosity in Elementary School Children	January 1960 to December 1961
803	H. Thomas James Stanford University Stanford, Calif.	School Revenue Systems in Five States	January 1960 to March 1961
805	Leonard D. Goodstein, John O. Crites, and Alfred B. Heilbrun State University of Iowa Iowa City, Iowa	Personality Correlates of Academic Adjustment	January 1960 to December 1961
812	James N. Morgan and others University of Michigan Ann Arbor, Mich.	Educational Achievement—Its Causes and Effects	March 1960 to August 1961
813	Ira J. Gordon and William D. Spears University of Florida Gainesville, Fla.	Interpersonal Perception: The Effects of Training in Perceptual Theory, Observation, and Analysis of Behavior Upon Accuracy of Prediction of Children's Self-Reports	January 1960 to June 1961
814	Arthur W. Combs and Daniel W. Soper University of Florida Gainesville, Fla.	The Relationship of Child Perceptions to Achievement and Behavior in the Early School Years	January 1960 to June 1963
816	E. Muriel J. Wright and Virginia H. Proctor Washington University St. Louis, Mo.	Systematic Observation of Verbal Interaction as a Method of Comparing Mathematics Lessons	December 1959 to June 1961
818	Mildred C. Templin University of Minnesota Minneapolis, Minn.	The Identification of Kindergarten Children Least Likely To Show Spontaneous Improvement in Speech Sound Articulation	January 1960 to June 1963

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
833	Claude B. Elam Texas Christian University Fort Worth, Tex.	Inductive Concept Formation in Normal and Retarded Subjects	January 1960 to December 1961
845	Wilbur B. Brookover Michigan State University East Lansing, Mich.	Self-Concepts of Ability and School Achievement	January 1960 to June 1961
846	William W. Farquhar Michigan State University East Lansing, Mich.	Motivation Factors Related to Academic Achievement	December 1959 to December 1961
850	Wilbert J. McKeachie, John E. Milholland, and Robert L. Isaacson University of Michigan Ann Arbor, Mich.	Research on the Characteristics of Effective College Teaching	January 1960 to June 1963
853	Neal Gross Harvard University Cambridge, Mass.	The Role of the Elementary, Junior High, and Senior High School Principal	July 1960 to June 1963
859	G. Orville Johnson and Matthew J. Trippe Syracuse University Syracuse, N.Y.	Relationship Between Perception and Learning in the Mentally Retarded	September 1960 to January 1963
862	Louis A. Fliegler Syracuse University Syracuse, N.Y.	Systematic Variation of Certain Conditions Related to Learning in the Mentally Retarded: Reinforcement	June 1960 to May 1961
864	Gabriel M. Della-Piana University of Utah Salt Lake City, Utah	An Experimental Evaluation of Programed Learning: Motivational Characteristics of the Learner, His Responses, and Certain Learning Outcomes	June 1960 to September 1961
873	Pauline S. Sears Stanford University Stanford, Calif.	The Effect of Classroom Conditions on the Strength of Achievement Motive and Work Output of Elementary School Children	May 1960 to September 1962
874	Patricia B. Knapp Wayne State University Detroit, Mich.	An Experiment in Coordination Between Teaching and Library Staff for Changing Student Use of University Library Resources	April 1960 to June 1962
876	George Gerbner University of Illinois Urbana, Ill.	Mass Communications and Popular Conceptions of Education: A Cross Cultural Study	May 1960 to June 1962
878	Charles K. Ray and others University of Alaska College, Alaska	Alaskan Native Secondary School Dropouts	September 1960 to August 1962
879	Milton Rokeach Michigan State University East Lansing, Mich.	The Nature of Analysis and Synthesis and Some Conditions in the Classroom Which Facilitate or Retard These Cognitive Processes	July 1960 to June 1965
896	William W. Cooley and L. E. Klopfer Harvard University Cambridge, Mass.	Use of Case Histories in the Development of Student Understanding of Science and Scientist	April 1960 to August 1961
906	Richard L. Simpson University of North Carolina Chapel Hill, N. C.	The School Teacher: Social Values, Community Role, and Professional Self-Image	May 1960 to September 1964

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
907	Edgar L. Lowell and Mary F. Woodward University of Southern California Los Angeles, Calif.	A Linguistic Approach to the Education of Aurally Handicapped Children	July 1960 to June 1963
908	Martin Deutsch and Joseph Zubin New York Medical College New York, N.Y.	Communication of Information in Elementary Class- rooms	April 1960 to April 1962
914	Walter T. Plant and Charles W. Telford San Jose, State College San Jose, Calif.	The Psychological Impact of the Public Two-Year College on Certain Nonintellectual Functions	April 1960 to Jan- uary 1963
916	Ralph J. Garry and Anna Ascarelli Boston University Boston, Mass.	The Nature and Formation of Spatial Concepts in Con- genitaly Blind Children Between the Ages of 2 and 5	May 1960 to October 1962
918	Karl T. Hereford Michigan State University East Lansing, Mich.	The Relationship Between School Design and Utilization and Personnel Interactions	May 1960 to April 1961
922	Norris G. Haring University of Maryland College Park, Md.	A Comparison of Especially Designed Art Activities With Traditional Art Activities as Used With Mentally Re- tarded Children and Youth	June 1960 to Septem- ber 1961
923	Nellie D. Hampton Iowa State Teachers College Cedar Falls, Iowa	Effects of Special Training on the Achievement and Ad- justment of Gifted Children	May 1960 to Jan- uary 1962
929	W. W. Charters, Jr. Washington University St. Louis, Mo.	Teacher Perceptions of Administrator Behavior	September 1960 to January 1962
932	John W. M. Rothney University of Wisconsin Madison, Wis.	The Discovery and Guidance of Superior Students	August 1960 to July 1962
933	Merle M. Ohlsen University of Illinois Urbana, Ill.	Appraisal of Group Counseling for Under-Achieving, Bright Fifth Graders and Their Parents	September 1960 to September 1962
934	Merle M. Ohlsen Fred C. Proff University of Illinois Urbana, Ill.	Response Patterns Associated With Group Counseling	June 1960 to August 1960
935	Leonard Kornberg and Helen Storen Queens College Flushing, N.Y.	The Preparation of Teachers for Schools in Culturally Deprived Neighborhoods	February 1961 to January 1965
938	G. D. McGrath and others Arizona State University Tempe, Ariz.	Higher Education of Southwestern Indians With Refer- ence to Success and Failure	September 1960 to August 1962
939	Philip J. Runkel, J. Thomas Hastings, and Dora E. Damrin University of Illinois Urbana, Ill.	Changes in Schools Which Do and Do Not Send Staff Members to Training Institutes in Counseling	June 1960 to June 1961

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Project No.	Investigator and location	Title	Duration
951	Ralph F. Berdie and Albert B. Hood University of Minnesota Minneapolis, Minn.	Trends in Post-High School Plans Over an Eleven-Year Period	August 1960 to July 1963
954	Wallace A. Kennedy, Vernon Van De Riet, and James C. White, Jr. Florida State University Tallahassee, Fla.	Standardization of the 1960 Revision of the Stanford-Binet Intelligence Scale on Negro Elementary School Children in the Southeastern United States	September 1960 to December 1961
961	Catherine S. Chilman Syracuse University Syracuse, N.Y.	Educational Achievement and Aspirations of Undergraduate Married Students as Compared to Undergraduate Unmarried Students, With Analyses of Certain Associated Variables	October 1960 to September 1962
965	James J. Gallagher University of Illinois Urbana, Ill.	Productive Thinking of Gifted Children	August 1960 to August 1963
969	Joseph L. Stewart University of Denver Denver, Colo.	Effectiveness of Educational Audiology on the Language Development of Hearing-Handicapped Children	January 1961 to December 1965
973	Bernard B. Schlangen West Virginia University Morgantown, W. Va.	The Effects of Listening Training on the Auditory Thresholds of Mentally Retarded Children	June 1960 to September 1961
975	Harold Guetzkow University of Chicago Chicago, Ill.	Education for Innovative Behavior in Executives	August 1960 to July 1962
978	William G. Perry, Jr. Harvard University Cambridge, Mass.	Patterns of Development in Thought and Values of Students in a Liberal Arts College	August 1960 to July 1964
994	E. Paul Torrance University of Minnesota Minneapolis, Minn.	Understanding the Fourth-Grade Slump in Creative Thinking	September 1960 to November 1961
1001	John H. Gaeth Wayne State University Detroit, Mich.	Verbal and Nonverbal Learning in Children, Including Those With Hearing Losses	September 1960 to August 1963
1005	Ray H. Bixler and others University of Louisville Louisville, Ky.	Comprehension of Rapid Speech by Blind Children	September 1960 to August 1961
1008	Joseph C. Bledsoe University of Georgia Athens, Ga.	The Self-Concepts of Elementary School Children in Relation to Their Academic Achievement, Intelligence, Interests, and Manifest Anxiety	September 1960 to August 1962
1015	Horacio J. A. Rimoldi and J. R. DeVane Loyola University Chicago, Ill.	Training in Problem Solving (Five Parts)	October 1960 to September 1961
1017	Jack London University of California Berkeley, Calif.	Attitudes Toward Adult Education by Social Class	September 1960 to August 1961
1018	Millard Hansen University of Puerto Rico Rio Piedras, Puerto Rico	Social Consequences of the School Project: Recruitment and Values of Students in the University of Puerto Rico	September 1960 to September 1962
1020	Paul C. Rosenbloom University of Minnesota Minneapolis, Minn.	Characteristics of Teachers Which Affect Students' Learning	August 1960 to October 1962

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1026	Laurence Iannaccone and Henry W. Button Washington University St. Louis, Mo.	A Study of Attitude Formation and Initiation Into the Teaching Profession in the Elementary Student Teaching Program	September 1960 to January 1962
1032	Paul R. Hanna Stanford University Stanford, Calif.	Education as an Instrument of National Policy in Selected Asian Nations	August 1960 to December 1962
1038	W. Donald Walling and Franklin J. Keller Rutgers University New Brunswick, N.J.	Vocationally Talented Pupils	September 1960 to August 1961
1039	William R. Odell and Richard F. Carter Stanford University Stanford, Calif.	Structure and Process of School-Community Relations	July 1960 to July 1965
1040	Eleanor E. Maccoby and Lucy Rau Stanford University Stanford, Calif.	Differential Cognitive Abilities	September 1960 to September 1962
1044	Basil G. Zimmer Brown University Providence, R.I.	Resistances to Reorganization of School Districts and Local Governments in Metropolitan Areas	September 1960 to August 1963
1045	Werner Z. Hirsch and Burton A. Weisbrod University of California Los Angeles, Calif.	Spillover of Public Education Costs and Benefits	September 1960 to August 1963
1046	Thomas L. Hilton Carnegie Institute of Technology Pittsburgh, Pa.	Cognitive Processes in Career Decision-Making	August 1960 to August 1963
1048	Arthur W. Staats, Carolyn K. Staats, and Richard E. Schutz Arizona State University Tempe, Ariz.	Textual Behavior and Its Function in Communication	September 1960 to August 1962
1051	Robert G. Petzold University of Wisconsin Madison, Wis.	Auditory Perception of Musical Sounds by Children in the First Six Grades	August 1960 to July 1965
1052	William A. Owens Purdue University Lafayette, Ind.	Life History Correlates of Age Changes in Mental Abilities	September 1960 to August 1962
1057	Raymond C. Hummel Harvard University Cambridge, Mass.	An Evaluation of a Model for Guidance Counseling	August 1960 to September 1962
1059	Billey Levinson and Hayne W. Reese University of Buffalo Buffalo, N.Y.	Patterns of Discrimination Learning Set in Preschool Children, Fifth Graders, College Freshmen, and the Aged	August 1960 to April 1961
1060	Philip R. Merrifield and Sheldon F. Gardner University of Southern California Los Angeles, Calif.	Aptitude and Personality Measures Related to Creativity in Seventh-Grade Children	July 1960 to August 1961

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1067	Floyd T. Christian Florida State Department of Education Tallahassee, Fla.	An Evaluation of Climate Control as a Contributing Factor to an Effective Educational Program	October 1960 to September 1963
1073	Martha T. Mednick and Sarnoff A. Mednick University of Michigan Ann Arbor, Mich.	The Associative Basis of the Creative Process	August 1960 to August 1963
1076	Edgar L. Morphet and William C. Schutz University of California Berkeley, Calif.	Procedures for Identifying Potential School Administrators	January 1961 to June 1963
1078	Robert D. Hess and David Easton University of Chicago Chicago, Ill.	The Development of Basic Attitudes and Values Toward Government and Citizenship During the Elementary School Years	January 1961 to December 1963
1082	Bruce J. Biddle University of Missouri Columbia, Mo.	Explorations in Teacher Role	August 1960 to August 1961
1083	C. Robert Pace University of California Los Angeles, Calif.	The Influence of Academic and Student Subcultures in College and University Environments	October 1960 to June 1963
1084	C. Wayne Gordon and John D. McNeil University of California Los Angeles, Calif.	Teacher Leadership Styles in Relationship to Productivity, Morale, and Achievement Among Seventh- and Eighth-Grade Pupils	September 1960 to February 1962
1090	Evan R. Keislar University of California Los Angeles, Calif.	Abilities of First-Grade Pupils To Learn Mathematics in Terms of Algebraic Structures by Means of Teaching Machines	August 1960 to August 1961
1091	George W. Denemark University of Wisconsin Milwaukee, Wis.	A Research-Oriented Elementary Education Student Teaching Program	September 1960 to August 1963
1094	John W. M. Rothney University of Wisconsin Madison, Wis.	Educational, Vocational, and Social Performance of counseled and uncounseled Youth, Ten Years After High School	July 1961 to June 1963
1097	Paul H. Bowman and James V. Pierce University of Chicago Chicago, Ill.	Sex Differences in Achievement Motivation	December 1960 to November 1961
1099	Martin Deutsch and Alfred M. Freedman New York Medical College New York, N.Y.	Visual and Auditory Efficiency and Its Relationship to Reading in Children	April 1961 to September 1962
1107	Victor B. Cline and others University of Utah Salt Lake City, Utah	Use of Biographical Information on Students Who Do and Do Not Achieve in High School Science Courses	January 1961 to August 1962
1124	J. Wayne Wrightstone New York State Education Department Albany, N.Y.	Evaluation of the Higher Horizons Program for Underprivileged Children	June 1961 to May 1964
1131	Walter Loban University of California Berkeley, Calif.	Language Ability, Grades 7, 8, and 9	January 1961 to February 1964

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1132	Rolf E. Bargmann Virginia Polytechnic Institute Blacksburg, Va.	Representative Ordering and Selection of Variables, Parts A and B	January 1961 to December 1963
1133	Leland L. Medsker and T. R. McConnell University of California Berkeley, Calif.	Factors Affecting Performance of Transfer Students From Two- to Four-Year Colleges With Implications for Coordination and Articulation	February 1961 to June 1963
1134	Joseph E. Brzeinski Colorado State Department of Education Denver, Colo.	The Effectiveness of Teaching Reading in Kindergarten	January 1961 to December 1965
1138	Carson McGuire University of Texas Austin, Tex.	Prediction and Modification of Talent in Senior High Schools	July 1961 to August 1964
1139	Glenn Terrell University of Illinois Chicago, Ill.	Nonintellective Factors Associated With Scholastic Achievement	September 1961 to August 1964
1143	Alvin F. Zander University of Michigan Ann Arbor, Mich.	Group Aspirations and Group Coping Behavior	January 1961 to December 1963
1146	Allan Tucker Michigan State University East Lansing, Mich.	Factors Related to Attrition Among Doctoral Students	July 1961 to June 1963
1150	Donald D. O'Dowd and David C. Beardslee Michigan State University Rochester, Mich.	Development and Consistency of Student Images of Occupations	January 1961 to June 1964
1153	Louis M. Heil Brooklyn College Brooklyn, N.Y.	Modifying Behaviors (Self-Concept) of Certain Prospective Teachers	February 1961 to January 1962
1163	Irving H. Anderson and Geraldine T. Scholl University of Michigan Ann Arbor, Mich.	A Comparison of the Reading and Spelling Achievement and Handwriting of Groups of English, Scottish, and American Children	July 1961 to December 1962
1166	Leland H. Stott Merrill-Palmer Institute Detroit, Mich.	Evaluation of Infant and Preschool Mental Tests	July 1961 to December 1962
1167	Ronald Lippitt University of Michigan Ann Arbor, Mich.	Pupil-Teacher Adjustment and Mutual Adaptation in Creating Classroom Learning	January 1961 to June 1963
1168	Charles E. Bowerman and Ernest Q. Campbell University of North Carolina Chapel Hill, N.C.	Social Factors in Educational Achievement and Aspirations Among Negro Adolescents	September 1961 to August 1965
1170	Robert S. Soar University of South Carolina Columbia, S.C.	Multivariate Statistical Procedures in Predicting Teacher-Pupil Classroom Behavior	January 1961 to December 1961

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1182	John de Jung and Norris G. Haring University of Kansas Lawrence, Kans.	The Measurement of Social Relations of Mentally Retarded and Young Elementary School Children Using a Modification of Syracuse Scales of Social Relations	March 1961 to October 1962
1186	Nadine Lambert California State Department of Education Sacramento, Calif.	The Development and Validation of a Process for Screening Emotionally Handicapped Children in School	August 1961 to October 1962
1193	William F. Bowin New York State Education Department Albany, N.Y.	Evaluation of the Madison Project Method of Teaching in Arithmetic Situations in Grades 4, 5, and 6	July 1961 to January 1963
1194	Peter H. Rossi University of Chicago Chicago, Ill.	Great Aspirations: Career Decisions and Educational Plans During College	December 1960 to January 1962
1196	Robert M. W. Travers University of Utah Salt Lake City, Utah	Study of Reinforcement in Classroom Learning	September 1961 to September 1964
1198	Joseph M. Wepman University of Chicago Chicago, Ill.	Speech Inaccuracy in Children as Related to Etiology	July 1961 to June 1963
1202	Howard Wakefield, Thomas W. Walton, and Herbert H. Lindsey University of Wisconsin Madison, Wis.	Educational Programs for Children of Migratory Agricultural Workers in Wisconsin	July 1961 to June 1962
1203	Doris R. Entwistle Johns Hopkins University Baltimore, Md.	Set-Learning in Gifted High School Students	May 1961 to October 1961
1217	Norman E. Wallen University of Utah Salt Lake City, Utah	Relationships Between Teacher Characteristics and Student Behavior	September 1961 to August 1963
1218	James L. Kuethe Johns Hopkins University Baltimore, Md.	Personality Traits Related to "Stress Tolerance" as Determinants of Academic Achievement	July 1961 to October 1961
1221	Warren D. Gribbons Clark University Worcester, Mass.	Career Development	May 1961 to June 1966
1226	Louis M. Smith and Thomas Johnson Washington University St. Louis, Mo.	Motive and Trait Correlates of Pupil Schema	September 1961 to June 1962
1241	H. Thomas James, J. Allen Thomas, and Harold J. Dyck Stanford University Stanford, Calif.	Wealth, Expenditures, and Decision-Making	June 1961 to November 1962
1242	John O. Cook and Howard G. Miller North Carolina State College Raleigh, N.C.	Studies in Guided Learning	July 1961 to August 1963

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1253	Robert E. Stake, James H. Beaird, and Douglas D. Sjogren University of Nebraska Lincoln, Nebr.	Sampling Distribution of Error Factors in Multidimensional Scaling	July 1961 to June 1962
1262	Richard L. Turner Indiana University Bloomington, Ind.	Problem-Solving Proficiency Among Elementary School Teachers	July 1961 to June 1964
1263	Betty J. Bosdell University of North Dakota Grand Forks, N. Dak.	Evaluation of Counseling Treatments With Underachieving High School Students	July 1961 to June 1962
1266	Quentin C. Stodola, Donald F. Schwartz, and Ralph H. Kolstoe North Dakota State University Fargo, N. Dak.	Administering a Listening Comprehension Test Through Use of Teacher-Readers, Sound Film, and Tape Recording	July 1961 to March 1962
1267	Leslie F. Malpass, Alden S. Gilmore, Miles W. Hardy, and Charles F. Williams University of South Florida Tampa, Fla.	Comparison of Two Automated Teaching Procedures for Retarded Children	July 1961 to June 1963
1269	A. J. Jaffe Columbia University New York, N.Y.	Social and Economic Characteristics of the College Population and Others With Some College Training	July 1961 to June 1962
1275	J. William Asher, Robert W. Brittell, and Neal V. Musmanno University of Pittsburgh Pittsburgh, Pa.	The High Speed Electronic Computer as a Research and Operations Device in School Law	July 1961 to June 1962
1283	John W. Atkinson University of Michigan Ann Arbor, Mich.	Effects of Ability Grouping in Schools Related to Individual Differences in Achievement-Related Motivation	July 1961 to December 1962
1286	Warren A. Ketcham University of Michigan Ann Arbor, Mich.	Dimensions of Children's Social and Psychological Development Related to School Achievement	September 1961 to August 1964
1298	Allen Kent and others Western Reserve University Cleveland, Ohio	The Library of Tomorrow—Today	April 1961 to April 1962
1299	Frank B. Baker University of Wisconsin Madison, Wis.	Empirical Determination of Sampling Distributions of Item Discrimination Indexes and a Reliability Coefficient	November 1961 to November 1962
1308	Ernest G. Beier University of Utah Salt Lake City, Utah	Polygraphic Arousal Patterns Related to Attention and Learning in Groups	August 1961 to November 1962
1316	Michael A. Wallach and Nathan Kogan Massachusetts Institute of Technology Cambridge, Mass.	Cognitive Originality, Physiognomic Sensitivity, and Defensiveness in Children	August 1961 to July 1964
1318	Burton W. Kreitlow University of Wisconsin Madison, Wis.	Long-Term Study of Educational Effectiveness of Newly Formed Centralized School Districts in Rural Areas, Part II	August 1961 to June 1964

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1323	Walter R. Turkes and Albert G. Holzman University of Pittsburgh Pittsburgh, Pa.	Optimal Scheduling in Educational Institutions	September 1961 to August 1963
1324	Ralph B. Kimbrough University of Florida Gainesville, Fla.	Informal County Leadership Structure and Controls Affecting Education Policy Decision-Making	September 1961 to September 1964
1327	Herbert Solomon Stanford University Stanford, Calif.	Item Analysis, Test Design, and Classification	October 1961 to September 1964
1328	Leland L. Medsker University of California Berkeley, Calif.	Characteristics and Backgrounds of High School Graduates and Their Subsequent Personal and Educational Development	October 1961 to June 1964
1329	Robert E. Sweitzer Oklahoma State University Stillwater, Okla.	Role Expectations and Perceptions of School Principals	September 1961 to August 1962
1338	Philip H. DuBois Washington University St. Louis, Mo.	Factors Associated With the Academic Achievement of Adult Students	September 1961 to February 1964
1339	San-su C. Lin Claflin University Orangeburg, S.C.	Pattern Practice on the Teaching of Standard English to Students With a Nonstandard Dialect	September 1961 to June 1964
1342	J. P. Guilford and Philip R. Merrifield University of Southern California Los Angeles, Calif.	Determination of "Structure-of-Intellect" Abilities Involved in Ninth-Grade Algebra and General Mathematics	August 1961 to August 1963
1343	Robert Glaser University of Pittsburgh Pittsburgh, Pa.	The Technology of Programed Instruction and Its Impact Upon an Educational System	September 1961 to August 1966
1344	Merle M. Ohlsen and James L. Lister University of Illinois Urbana, Ill.	The Effects of Orientation to Testing on Motivation For and Outcome of Test Interpretation	September 1961 to August 1962
1346	David P. Campbell and Theodore Volsky University of Minnesota Minneapolis, Minn.	Twenty-Five Year Followup of Educational Vocational Counseling	September 1961 to June 1963
1350	W. L. Barnette University of Buffalo Buffalo, N.Y.	Validation of MVII on Vocational High School Boys, Part I	October 1961 to March 1963
1351	Saul B. Sells Texas Christian University Fort Worth, Tex., and Merrill Roff University of Minnesota Minneapolis, Minn.	Peer Group Maladjustment in Childhood and Personality Development	September 1961 to August 1966
1352	Robert L. Spaulding University of Illinois Urbana, Ill.	Achievement, Creativity, and Self-Concept Correlates of Teacher-Pupil Transactions in Elementary School Classrooms	October 1961 to October 1962

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1353	William Larson and others University of Southern California Los Angeles, Calif.	Critical Factors in Adolescence: Intra-Family Relationships and Differential School Adjustment	April 1962 to September 1963
1355	Saxton Pope and Nevitt Sanford Stanford University Stanford, Calif.	Dynamics of Personality Development During the College Years	August 1961 to June 1966
1356	Kathryn A. Blake University of Georgia Athens, Ga.	Studies of the Effects of Systematic Variations of Certain Conditions Related to Learning, (III) Task Conditions	September 1961 to June 1964
1359	Lloyd E. McCann University of Arizona Tucson, Ariz.	Legal Problems in the Administration of Education by Educational and Noneducational Government Agencies	September 1961 to August 1963
1361	Murray Wax Emory University Atlanta, Ga.	Formal Education in an American Indian Community	August 1962 to January 1963
1365	Joseph T. Sutton Stetson University DeLand, Fla.	Individualizing Junior High School Mathematics Instruction	September 1961 to February 1963
1368	Robert H. Mathewson and John W. Orton City University of New York New York, N.Y.	Development of Instruments for Eliciting and Evaluating Vocational Imagery	September 1961 to September 1962
1370	Ray H. Bixler and Emerson Foulke University of Louisville Louisville, Ky.	Comprehension of Rapid Speech by the Blind, Part II	September 1961 to August 1963
1373	Richard Alpert Harvard University Cambridge, Mass.	Program Development for Longitudinal and Cross-Sectional Research in Shaping Intellectually Linked Motives	February 1962 to January 1963
1382	Sidney J. Blatt Yale University New Haven, Conn.	Effects of Test Anxiety and Instructional Context of Problem Solving	October 1961 to September 1962
1383	Howard L. Roy and Jerome D. Schein Gallaudet College Washington, D.C.	New Methods of Language Development in Deaf Children	September 1961 to August 1963
1391	Philip Lambert University of Wisconsin Madison, Wis.	Classroom Interaction, Pupil Achievement and Adjustment in Team Teaching as Compared with the Self-Contained Classroom	September 1961 to February 1964
1393	Donald Super Teachers College Columbia University New York, N.Y.	Floundering and Trial After High School	September 1961 to September 1964
1394	Matthew J. Trippe George Peabody College for Teachers Nashville, Tenn.	Relationships Among Measures of Visual Perception and Hyperactivity in Elementary School Children	August 1962 to July 1964

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1401	Patricia Minuchin, Barbara Biber, and Edna K. Shapiro Bank Street College of Education New York, N.Y.	Patterns of Mastery and Conflict Resolution at the Elementary School Level	December 1961 to November 1963
1402	Arthur A. Lumsdaine University of California Los Angeles, Calif.	Variables Differentiating Two Major Systems of Auto-Instructional Programming	September 1961 to February 1965
1411	Raymond B. Cattell University of Illinois Urbana, Ill.	General Relations of Changes of Interest and Personality to Changes of School Performance in Normal Children	September 1961 to August 1964
1412	Frank A. Pinner Michigan State University East Lansing, Mich.	Relationships Between High School Group Structures and the Development of Orientations Toward Public Affairs	September 1961 to June 1962
1413	John D. McNeil and Evan R. Keislar University of California Los Angeles, Calif.	Oral and Nonoral Methods of Teaching Reading by an Auto-Instructional Device	September 1961 to May 1962
1414	William K. Medlin University of Michigan Ann Arbor, Mich.	The Teacher as an Agent of Sociocultural Change in a Technically Underdeveloped Society	October 1961 to February 1965
1417	Carl R. Rogers University of Wisconsin Madison, Wis.	Relationship of Group Counseling to Subsequent Academic Performance at the College Level	September 1961 to August 1962
1422	Woodrow W. Hunter University of Michigan Ann Arbor, Mich.	Preretirement Education for the Hourly Rated Worker	September 1961 to August 1963
1440	Kai Jensen University of Wisconsin Madison, Wis.	Factors Influencing Learning and Problem-Solving Behavior in the Mentally Retarded	September 1961 to August 1966
1442	Herbert J. Klausmeier University of Wisconsin Madison, Wis.	Strategies of Learning and Efficiency of Concept Attainment by Individuals and Groups	August 1961 to July 1964
1443	Karl T. Hereford, Donald J. Leu, and Floyd G. Parker Michigan State University East Lansing, Mich.	Effect of School Building Environment on Personnel Interactions and Attitudes	June 1961 to December 1961
1449	Horacio J. A. Rimoldi and Joseph R. Devane Loyola University Chicago, Ill.	Training in Problem Solving	October 1961 to November 1962
1455	Sally W. Cassidy Wayne State University Detroit, Mich.	Impact of a High-Demand College in a Large University on Working Class Youth	February 1962 to July 1964
1459	Harriett A. Podel and Harold D. Carter University of California Berkeley, Calif.	Effects of Cognitive Set and the Variety of Relevant Experience on Concept Formation in Children	May 1962 to April 1963
1474	Finley Carpenter University of Michigan Ann Arbor, Mich.	Educability in Visualization of Objects in Space	March 1962 to March 1964

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1477	Sam L. Witryol University of Connecticut Storrs, Conn.	Development of Incentive Values in Childhood	July 1962 to June 1964
1479	Simon Mareson Rutgers University New Brunswick, N.J.	Elementary Summer Schooling of Migrant Children	January 1962 to June 1964
1487	George H. Henry and John A. Brown University of Delaware Newark, Del.	Concept Development in the High School Classroom	June 1962 to August 1963
1493	Royce R. Ronning, Walter Stellwagon, and Lawrence H. Stewart University of California Berkeley, Calif.	Application of Multidimensional and Scale Analysis to Interest Measurement	February 1962 to January 1963
1495	LeRoy J. Peterson, Howard E. Wakefield, and Steward D. North University of Wisconsin Madison, Wis.	Economic Impact of State Support Models on Educational Finance	February 1962 to August 1963
1497	Arno A. Bellack and Joel R. Davitz Teachers College Columbia University New York, N.Y.	Meanings Communicated in High School Teaching	February 1962 to February 1963
1503	Benjamin Wright University of Chicago Chicago, Ill.	Student and First-Year Teachers—Attitudes Toward Self and Others	March 1962 to March 1966
1511	Wallace H. Maw University of Delaware Newark, Del.	Personal and Social Variables Differentiating Children with High and Low Curiosity	March 1962 to August 1963
1517	Allen Kent and Jessica S. Melton Western Reserve University Cleveland, Ohio	Identification of Sources of Educational Research Materials	January 1962 to September 1962
1521	Eugene R. Long, Jr. University of North Carolina Chapel Hill, N.C.	The Effect of Programed Instruction in Special Skills During the Preschool Period on Later Ability Patterns and Academic Achievement	July 1962 to October 1965
1523	Dwight L. Burton Florida State University Tallahassee, Fla.	Effects of Frequency of Writing and Intensity of Teacher Evaluation Upon High School Students' Performance in Written Composition	February 1962 to January 1963
1524	Roy C. O'Donnell Mount Olive Junior College Mount Olive, N.C.	The Correlation of Awareness of Structural Relationships in English and Ability in Written Composition	February 1962 to Janusry 1963
1527	Adele Franklin New York State Education Department and Board of Education, City of New York Albany, N.Y.	An Assessment of the All-Day Neighborhood School Program for Culturally Deprived Children	March 1962 to December 1964
1528	William McCollly University of Wisconsin Madison, Wis.	Comparative Effectiveness of Composition Skill Learning Activities in the Secondary School	February 1962 to September 1963

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1529	Arthur H. Steinhaus George Williams College Chicago, Ill.	Teaching Neuromuscular Relaxation	April 1962 to January 1964
1530	Andrew Hendrickson Ohio State University Columbus, Ohio	The Role of Colleges and Universities in the Education of the Aged	February 1962 to January 1964
1533	John R. Peck University of Texas Austin, Tex.	Success of Young Adult Male Retardates	February 1962 to January 1964
1534	Douglas D. Sjogren University of Nebraska Lincoln, Nebr.	Programed Materials in High School Correspondence Courses	February 1962 to May 1964
1537	John O. Crites State University of Iowa Iowa City, Iowa	Vocational Development in Adolescence	January 1962 to December 1964
1538	Charles Van Riper Western Michigan University Kalamazoo, Mich.	A Predictive Screening Test for Children With Articulatory Speech Defects	February 1962 to June 1966
1547	J. Richard Suchman University of Illinois Urbana, Ill.	Science Concept Development in the Elementary School Through Inquiry Training	September 1962 to August 1964
1549	Brenda McKeon Marymount College of Virginia Arlington, Va.	The Effect of an Enriched Basic Liberal Arts Program on the Educational Development of the Junior College Transfer Student	July 1962 to June 1964
1551	Philip B. Price and Calvin W. Taylor University of Utah Salt Lake City, Utah	Performance Measures of Physicians	February 1962 to August 1963
1566	Max Beberman University of Illinois Urbana, Ill.	A Comparison Between Two Kinds of Secondary Mathematics Courses With Respect to Intellectual Changes	February 1962 to November 1963
1568	James A. Robinson and Richard C. Snyder Northwestern University Evanston, Ill.	A Comparison of Simulation, Case Studies, and Problem Papers in Teaching Decision-Making	May 1962 to January 1964
1570	James W. Miller University of Hawaii Honolulu, Hawaii	Male Student Success in the Collegiate Early Admission Experiment	March 1962 to December 1962
1571	Edwin H. Hill University of Pittsburgh Pittsburgh, Pa.	Written Language Development of Intermediate Grade Children	January 1962 to June 1963
1574	Hilda Taba San Francisco State College San Francisco, Calif.	Thinking in Elementary School Children	June 1962 to January 1964
1575	C. B. Elam Texas Christian University Ft. Worth, Tex.	Stimulus Synthesis in Normal and Retarded Subjects	March 1962 to February 1964
1577	Ralph C. Wenrich University of Michigan Ann Arbor, Mich.	Vocational Education as Perceived by Different Segments of the Population	March 1962 to August 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1584	Wallace J. Bonk University of Michigan Ann Arbor, Mich.	Use of Basic Reference Sources in Libraries	July 1962 to June 1963
1592	Comradge L. Henton Southern University Baton Rouge, La.	Relationships Between the Self-Concepts of Negro Elementary School Children and Their Academic Achievement, Intelligence, Interest, and Manifest Anxiety	May 1962 to April 1964
1594	Roger C. Thweatt Western State College Gunnison, Colo.	Development of a K Scale for the Motivational Test Battery	September 1962 to August 1963
1605	Roscoe A. Boyer and E. L. Murphree, Jr. University of Mississippi University , Miss.	The Use of a Computer To Plan School Bus Routes	June 1962 to May 1964
1607	Morvin A. Wirtz St. Louis County Schools Jefferson City and Missouri State Dept. of Education St. Louis, Mo.	Efficacy of Speech Therapy with Educable Mentally Retarded Children	April 1962 to October 1964
1616	Patrick Suppes Stanford University Stanford, Calif.	Development of Mathematical Concepts in Children	July 1962 to June 1967
1621	Carl R. Rogers University of Wisconsin Madison, Wis.	Interpersonal Attitudes of Adolescents	September 1962 to August 1963
1632	Elizabeth S. Maccia, George S. Maccia, and Robert E. Jewett Ohio State University Columbus, Ohio	Construction of Educational Theory Models	April 1962 to June 1963
1633	Harry Bornstein Gallaudet College Washington, D.C.	Evaluation of High School Mathematics Programed Texts as Used With Deaf Students	April 1962 to March 1964
1635	Gerald S. Lesser Hunter College New York, N.Y.	Mental Abilities of Children in Different Social and Cultural Groups	May 1962 to August 1963
1636	Wilbur B. Brookover, Don E. Hamachek, and Jean LePere Michigan State University East Lansing, Mich.	Improvement of Academic Achievement Through Students' Self-Concept Enhancement	April 1962 to September 1964
1640	B. Othanel Smith and Milton Meux University of Illinois Urbana, Ill.	Rule-Guided Behavior and Strategies in Teaching	September 1962 to August 1966
1641	Harry T. Weaver and Howard E. Carr Auburn University Auburn, Ala.	Computer Grading of Physics Laboratory Reports	May 1963 to September 1962
1646	Paul L. Dressel and Irvin J. Lehman Michigan State University East Lansing, Mich.	Changes in Critical Thinking, Attitudes, and Values Associated With College Attendance	April 1962 to June 1963

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1648	William G. Rhoads, Anson C. Piper, and John A. Brodbeck Williams College Williamstown, Mass.	Use of Radiophonic Teaching in Fundamental Education	May 1962 to January 1963
1650	Richard W. Woodcock Colorado State College Greeley, Colo.	Construction and Standardization of a Battery of Braille Skill Tests	July 1962 to December 1963
1672	Allen H. Barton Columbia University New York, N.Y.	Student Dishonesty and Its Control in College	June 1962 to December 1963
1676	William A. Brownell University of California Berkeley, Calif.	Arithmetical Abstractions: The Movement Toward Conceptual Maturity Under Differing Systems of Instruction	March 1962 to March 1967
1680	Robert H. Ennis Cornell University Ithaca, N.Y.	Critical Thinking Readiness in Grades 1 to 12	May 1962 to September 1964
1683	John A. Hostetler Pennsylvania State University University Park, Pa.	Education and Marginality in the Communal Society of the Hutterites	June 1962 to September 1965
1684	Merlin C. Wittrock and Evan R. Keislar University of California Los Angeles, Calif.	Transfer Through Minimal or Maximal Cueing of Mediated Responses	June 1962 to February 1964
1700	Albert J. Lott and Bernice E. Lott University of Kentucky Lexington, Ky.	Influence of Classroom Group Cohesiveness on Learning and Adherence to Standards	August 1962 to February 1964
1701	Laurence W. Knowles University of Louisville Louisville, Ky.	Historical Developments Affecting American Educational Processes	September 1962 to February 1965
1704	Lamore J. Carter, Bessie E. Dickerson, and Tilden LeMelle Grambling College Grambling, La.	Comparison of Two Methods of Teaching Remedial English to College Freshmen	September 1962 to August 1963
1714	Helen K. Smith University of Chicago Chicago, Ill.	Instruction of High School Students in Reading for Different Purposes	September 1962 to September 1965
1717	Ira J. Gordon University of Florida Gainesville, Fla.	Relationships Between Personality Variables and Classroom Behavior of Teaching Interns	October 1962 to January 1964
1726	Walter S. Watson The Cooper Union Cooper Square New York, N.Y.	Logical Analysis Skill as a Tool for Career Guidance	August 1962 to June 1967
1731	Wilbur Moore and Clarence E. Webb Central Michigan University Mt. Pleasant, Mich.	Procedures for Evaluating the Hearing of the Mentally Retarded	August 1962 to July 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1734	Kenneth U. Gutsch University of Southern Mississippi Hattiesburg, Miss.	Objective Measurement in Instrumental Music Performance	August 1962 to Au- gust 1964
1738	Henry L. Leonard New School for Social Research New York, N.Y.	Teacher and Student Roles in Adult Education	June 1962 to June 1965
1743	Allen Kent Western Reserve Uni- versity Cleveland, Ohio	Effectiveness of a Pilot Information Service for Educa- tional Research Materials	September 1962 to September 1963
1745	Gilbert K. Kruse Northwestern University Evanston, Ill.	Influence of Identity Processes on Student Behavior and Occupational Choice	September 1962 to December 1965
1746	Donald R. Bateman and Frank J. Zidonis Ohio State University Columbus, Ohio	The Effect of the Knowledge of a Generative Grammar Upon the Growth of Language Complexity	August 1962 to Sep- tember 1964
1748	Irvin L. Child Yale University New Haven, Conn.	Development of Sensitivity to Esthetic Values	September 1962 to August 1964
1750	Jack Erwin Tohtz and Gerhard Lang Fairleigh Dickinson University Teaneck, N.J.	Out-of-Class Programed Instruction Compared With Con- ventional Homework Assignments in Teaching Exposi- tory Writing in Freshman English	August 1962 to July 1963
1755	Theodore L. Harris, Virgil E. Herrick, and G. Lawrence Ravick University of Wisconsin Madison, Wis.	Experimental Development of Variability in Reading Rate	September 1962 to August 1964
1757	Desmond L. Cook Ohio State University Columbus, Ohio	The Impact of the "Hawthorne Effect" in Experimental Designs in Educational Research	September 1962 to January 1966
1758	Edgar Z. Friedenberg Brooklyn College Brooklyn, N.Y.	Influence of <i>Ressentiment</i> on Student Experience in Second- ary School	August 1962 to June 1965
1759	Robert E. Agger University of Oregon Eugene, Oreg.	Educational Innovations in the Community	September 1962 to August 1965
1765	Roland J. Pellegrin and Keith Goldhammer University of Oregon Eugene, Oreg.	Educational Decision-Making in the Local Community	September 1962 to August 1964
1766	Jack W. Birch University of Pittsburgh Pittsburgh, Pa.	Effect of Size of Type on the School Achievement of Visu- ally Handicapped Children	August 1963 to July 1965
1769	Jack W. Birch and E. Ross Stuckless University of Pittsburgh Pittsburgh, Pa.	Relationship Between Early Manual Communication and Later Achievement of the Deaf	March 1963 to February 1964

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1770	Rachel Inselberg Carnegie Institute of Technology Pittsburgh, Pa.	Personality Attributes Associated With Various Mechanisms of Masculine Identification	August 1962 to May 1964
1772	Harold L. Wise Western Reserve University Cleveland, Ohio	Structural Analysis of Educational Research for Information Retrieval	February 1963 to August 1964
1781	Robert F. Peck University of Texas Austin, Tex.	Personality, Teacher Education, and Teaching Behavior	September 1962 to June 1967
1790	Richard C. Anderson University of Illinois Urbana, Ill.	Shaping Logical Behavior in Six- and Seven-Year-Olds	September 1962 to February 1964
1796	Eugene Litwak University of Michigan Ann Arbor, Mich.	Relationship Between School-Community Coordinating Procedures and Educational Motivation and Behavior of School Children	August 1962 to July 1965
1810	Philip B. Daniels Brigham Young University Provo, Utah	Thinking Strategies To Facilitate Problem Solving	September 1962 to January 1964
1816	Angus Campbell University of Michigan Ann Arbor, Mich.	Public Concepts of the Costs and Utility of Higher Education	August 1962 to October 1963
1826	Ruby Kelly Connecticut State Department of Education Westport Public Schools Hartford, Conn.	A Study To Identify the Content of Linguistically Based Grammar Instruction of a Junior High School	June 1962 to June 1963
1828	Rashid Bashshur, Ralph V. Smith, and Stanley E. Flory Eastern Michigan University Ypsilanti, Mich.	Community Structure and Support of Public Schools	July 1962 to September 1963
1838	Lucy Rau, Lucille B. Mlodnosky, and Nicholas Anastasiow Stanford University Stanford, Calif.	Child Rearing Antecedents of Achievement Behaviors in Second-Grade Boys	September 1962 to December 1963
1846	Paul S. Burnham Yale University New Haven, Conn.	Thirty-Year Followup of Male College Students	September 1962 to December 1964
1849	O. E. Thompson University of California Davis, Calif.	Values of High School Students and Their Teachers	September 1962 to July 1966
1853	James Maloon University of Michigan Ann Arbor, Mich.	Financial Analysis of Current Operations of Colleges and Universities	December 1962 to January 1965
1854	Benjamin S. Bloom University of Chicago Chicago, Ill.	Cross National Study of Educational Attainment: Secondary School Mathematics	September 1962 to February 1966

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1856	Henry L. Smith, Jr., and Henry J. Sustakoski State University of New York Buffalo, N.Y.	Comparison of the Effectiveness of Linguistically Oriented and Traditional Methods of English Instruction	October 1962 to December 1964
1863	Frank J. McGuigan Hollins College Hollins, Va.	Silent Speech During Silent Reading	June 1962 to June 1964
1866	Harold Proshansky and Ronald Lippitt University of Michigan Ann Arbor, Mich.	Work, Play, Competence, and Occupational Conceptions of Secondary School Students	August 1962 to August 1964
1867	Arthur R. Jensen University of California Berkeley, Calif.	Individual Differences in Learning: Interference Factor	September 1962 to September 1964
1869	Hale C. Reid Cedar Rapids Public Schools and State University of Iowa Iowa City, Iowa	Evaluation of Five Methods of Teaching Spelling in Grades 2 and 3	August 1962 to October 1963
1874	Kenneth Beittel Pennsylvania State University University Park, Pa.	Effect of Self-Reflective Training in Art on the Capacity for Creative Action	October 1962 to December 1964
1877	Edward C. Caterette and Margaret H. Jones University of California Los Angeles, Calif.	The Growth of Patterning in Children's Language	October 1962 to September 1964
1891	Samuel Levine and Leo F. Cam San Francisco State College San Francisco, Calif.	Development of a Personal Social and Vocational Scale for the Mentally Retarded	
1898	Charles B. Huelsman, Jr. Ohio State University Columbus, Ohio	The Influence of Vision Training Upon the Subsequent Reading Achievement of Fourth-Grade Children	January 1963 to January 1964
1903	Irving H. Anderson University of Michigan Ann Arbor, Mich.	Comparison of Reading, Writing, and Spelling Achievement Among Groups of English, Scottish, and American Children	April 1963 to March 1964
1910	Ina McD. Bilodeau Tulane University New Orleans, La.	Effects of Generalizing in Learning	February 1963 to January 1966
1913	Glen G. Eye and James M. Lipham University of Wisconsin Madison, Wis.	Relationship Between Instructional Change and the Extent to Which School Administrators and Teachers Agree on the Location of Responsibilities for Administrative Decisions	September 1963 to August 1966
1919	Malcolm R. Westcott Vassar College Poughkeepsie, N.Y.	Antecedents and Consequences of Intuitive Thinking	January 1963 to December 1967
1921	Leslie F. Malpass and Margaret B. Fisher University of South Florida Tampa, Fla.	Comparison of Programed and Standard Textbooks in College Instruction	January 1963 to December 1963

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1924	Charles Y. Glock University of California Berkeley, Calif.	Vocational Analysis of Male College Graduates in Liberal Arts	March 1963 to January 1965
1926	Theodore M. Newcomb Bennington College Bennington, Vt.	Deviant Subcultures on a College Campus	February 1963 to October 1963
1928	Melvin M. Tumin Princeton University Princeton, N.J.	Education, Social Class, and Intergroup Activities	December 1962 to September 1963
1929	Wallace A. Kennedy and Herman C. Willcutt Florida State University Tallahassee, Fla.	Motivation of School Children	January 1963 to December 1963
1931	Sidney J. Blatt and Joel Allison Yale University New Haven, Conn.	Nonintellective Factors in Cognitive Efficiency	January 1963 to June 1965
1934	Ronald G. Corwin Ohio State University Columbus, Ohio	The Development of an Instrument for Examining Staff Conflicts in the Public Schools	January 1963 to January 1964
1935	Paul Wallin Stanford University Stanford, Calif.	Social Class Background of Eighth-Grade Pupils: Social Class Composition of Their Schools, Their Academic Aspirations, and School Adjustment	January 1963 to June 1964
1938	Theodore M. Newcomb and Gerald Gurin University of Michigan Ann Arbor, Mich.	Developmental Characteristics of Entering Students as Conditioners of Subsequent College Experiences	February 1963 to January 1965
1941	George C. Mallinson Western Michigan University Kalamazoo, Mich.	Factors Affecting College Students' Achievement	July 1963 to December 1967
1944	Lorne H. Wollatt New York State Education Department Albany, N.Y.	Comparison Between Students From Two- and Four-Year Colleges	April 1963 to September 1968
1948	Richard L. Wing Board of Cooperative Educational Services Westchester County, New York, and New York State Education Department Albany, N.Y.	Use of Technical Media for Simulating Environments to Provide Individualized Instruction	February 1963 to February 1965
1956	William H. Allen University of Southern California Los Angeles, Calif.	Visual and Audio Presentation of Programed Instruction To Be Used in Teaching Machines	February 1963 to January 1965
1962	N. L. Pielstick Northern Illinois University DeKalb, Ill.	Curiosity Arousal and Its Effects on Learning	January 1963 to February 1964

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1963	Russel F. Green and Juan N. Martinez University of Puerto Rico Rio Piedras, Puerto Rico	Standardization of a Spanish-Language Adult Intelligence Scale	June 1963 to December 1966
1967	Elizabeth K. Starkweather Oklahoma State University Stillwater, Okla.	Conformity and Nonconformity as Indicators of Creativity in Preschool Children	February 1963 to January 1964
1969	James T. Robinson, Arthur R. King, Jr., and John A. Brownell Claremont University College Claremont, Calif.	Understandings of BSCS Biology Students as Determined by Instructional Tests	January 1963 to December 1964
1972	William D. Hedges and Mary Ann MacDougall University of Virginia Charlottesville, Va.	A Comparison of Three Methods of Teaching Elementary School Science Involving Programed Learning	February 1963 to June 1964
1974	Paul F. Lazarsfeld Columbia University New York, N.Y.	The Organization of Educational Research in the United States	April 1963 to March 1965
1976	J. P. Guilford University of Southern California Los Angeles, Calif.	Measurement of Social Intelligence	January 1963 to December 1965
1979	Lynn W. McGraw University of Texas Austin, Tex.	Resistive Exercises in the Development of Muscular Strength and Endurance	January 1963 to August 1963
1980	Nadine M. Lambert California State Department of Education Sacramento, Calif.	Prediction of School Adjustment	January 1963 to August 1963
1983	Ruth Beckey Irwin Ohio State University Columbus, Ohio	Audiovisual Test for Evaluating the Ability To Recognize Phonetic Errors	January 1963 to January 1964
1987	Leonard P. Landry Colorado State College Greeley, Colo.	High School Grammar Composition: Demonstrating a Correlation of the Traditional and Structural Methods of Language Analysis	January 1963 to November 1964
1989	Anthony L. Tovatt Ball State Teachers College Muncie, Ind.	Oral, Aural, Visual Stimuli Approach to Teaching Written Composition to Ninth-Grade Students	June 1963 to January 1967
1991	Paul R. Hanna and Lee L. Jacks Stanford University Stanford, Calif.	Phoneme Grapheme Relationships Basic to Cues for Improvement of Spelling	January 1963 to October 1964
1993	Joseph T. Sutton and Eliot D. Allen Stetson University Deland, Fla.	The Effect of Practice and Evaluation on Improvement in Written Composition	January 1963 to February 1964
1994	James R. Squire University of Illinois Urbana, Ill.	A Study of English Programs in Selected High Schools Which Do and Do Not Consistently Educate Outstanding Students	February 1963 to August 1965

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
1996	Neal F. Johnson Ohio State University Columbus, Ohio	Sequential Characteristics of Language	January 1963 to January 1965
1998	Kellogg W. Hunt Florida State University Tallahassee, Fla.	Differences in Grammatical Structures Written at Three Grade Levels, the Structures To Be Analyzed by Transformational Methods	January 1963 to June 1964
1999	James S. Coleman Johns Hopkins University Baltimore, Md.	Sources of Educational Climates in High Schools	February 1963 to January 1966
2010	Gayle B. Childs University of Nebraska Lincoln, Nebr.	Advanced Placement Program in High School Correspondence Study	February 1963 to December 1965
2011	Harry Singer University of California Riverside, Calif.	An Investigation of the Changes That Accompany the Development of General Reading Ability at the Elementary School Level	February 1963 to February 1965
2016	Erwin J. Lotsof and William H. James Northern Illinois University DeKalb, Ill.	Parental Attitudes Toward School Achievement and Children's Performance in School Subjects	September 1963 to August 1966
2018	Donald M. Miller and Philip Lambert University of Wisconsin Madison, Wis.	The Elementary School Teacher's Viewpoint of Teaching as Influenced by Classroom Organization	September 1963 to February 1966
2021	Kaoru Yamamoto Kent State University Kent, Ohio	Creative Thinking Abilities and Peer Conformity in Fifth-Grade Children	September 1963 to March 1965
2023	Arno A. Bellack Teachers College Columbia University New York, N.Y.	The Language of the Classroom: Meanings Communicated in High School Teaching, Part II	September 1963 to September 1964
2024	Hayden L. V. Anderson Maine State Department of Education Augusta, Maine	Part-time Assignment of Women in Teaching	May 1963 to April 1964
2035	Robert E. Silverman New York University New York, N.Y.	The Reinforcing Effects of Two Types of Confirmation in Programed Instruction	July 1963 to September 1964
2047	Joseph Payne University of Michigan Ann Arbor, Mich.	Self-Selected Mathematics Learning Activities in Grades Seven and Eight	June 1963 to December 1964
2048	William J. Schill University of Illinois Urbana, Ill.	Curricula Content for Technical Education	June 1963 to November 1964
2049	George Thaddeus Jones Catholic University Washington, D.C.	Symbols Used in Music Analysis	June 1963 to December 1964
2050	Jerome Moss, Jr. University of Minnesota Minneapolis, Minn.	The Influence of Industrial Arts Experience on Grades Earned in Posthigh School Trade and Technical Curriculums	July 1963 to November 1965

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
2055	Walter L. Slocum Washington State University Pullman, Wash.	Aspirations of Farm Boys and Girls	September 1963 to June 1966
2065	John K. Folger Florida State University Tallahassee, Fla.	A Study of Education and the Social Structure	June 1963 to September 1964
2071	Bernard Goldstein Rutgers University New Brunswick, N.J.	Social and Cultural Factors Related to School Achievement	September 1963 to September 1965
2072	Joseph W. Eaton University of Pittsburgh Pittsburgh, Pa.	Comprehensive Informal Education for Adolescents: The Gadna Program	June 1963 to November 1966
2082	John R. Bormuth University of California Los Angeles, Calif.	Relationships Between Selected Language Variables to Comprehension and Comprehension Ability and Difficulty	June 1963 to August 1964
2083	Donald L. Cleland University of Pittsburgh Pittsburgh, Pa.	Vocalism in Silent Reading	October 1963 to September 1966
2096	Norman E. Wallen University of Utah Salt Lake City, Utah	Relationships Between Teacher Characteristics and Student Behavior, Part II	September 1963 to August 1964
2100	Joanna P. Williams University of Pennsylvania Philadelphia, Pa.	The Use of Program Instruction in the Development of Recognition Skills	June 1963 to August 1965
2101	O. L. Davis, Jr. Kent State University Kent, Ohio	Effectiveness of Using Graphic Illustrations With Social Studies Textual Materials	November 1963 to June 1965
2104	Elizabeth H. Rusk Michigan State University East Lansing, Mich.	Unified Academic and Professional Experiences in Language and Writing for the Preparation of Secondary School Teachers of English	September 1963 to June 1966
2107	Raven I. McDavid, Jr. University of Chicago Chicago, Ill.	Communication Barriers to the Culturally Deprived	September 1963 to November 1964
2108	John R. Willingham University of Kansas Lawrence, Kans.	A "Correspondence Tutorial" Method for Teaching Freshman English	September 1962 to February 1967
2109	Arthur A. Dole University of Hawaii Honolulu, Hawaii	Followup Studies of the Determinants of Educational Vocational Choices	June 1963 to August 1964
2110	Phillip B. Price and Calvin W. Taylor University of Utah Salt Lake City, Utah	Performance Measures of Physicians	June 1963 to December 1964
2117	R. P. Kropp and H. W. Stoker Florida State University Tallahassee, Fla.	The Construction and Validation of Tests of the Cognitive Processes as Described in the <i>Taxonomy of Educational Objectives</i>	September 1963 to August 1965
2123	Erick L. Lindman University of California Los Angeles, Calif.	State School Support and Municipal Government Costs	August 1963 to August 1964

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
2129	Carl Bereiter University of Illinois Urbana, Ill.	Acceleration of Intellectual Development in Early Childhood	July 1963 to June 1966
2139	Gerald S. Lesser Hunter College New York, N.Y.	A Cross-Cultural Study of Adolescent Societies	October 1962 to October 1966
2141	Joseph L. French University of Missouri Columbia, Mo.	Effects of Test Item Arrangement on the Physiological and Psychological Behavior in Primary School Children	September 1963 to October 1964
2152	Benjamin H. Bailey and others West Virginia University Morgantown, W. Va.	Characteristics of High School Seniors as Related to College Attendance	September 1963 to May 1966
2160	David P. Campbell University of Minnesota Minneapolis, Minn.	A Study of College Freshmen—Twenty-Five Years Later	August 1963 to July 1964
2167	Leland L. Medsker University of California Berkeley, Calif.	Articulation Between Two-Year and Four-Year Colleges	June 1963 to April 1964
2169	George Stricker Goucher College Towson, Baltimore, Md.	Students' Views of the College Environment	August 1963 to September 1964
2171	John Robert French, Jr. University of Michigan Ann Arbor, Mich.	Work Load of University Professors	June 1963 to July 1964
2174	D. Gordon Rohman Michigan State University East Lansing, Mich.	Construction and Application of Models for Concept Formation in Writing	June 1963 to December 1964
2177	Robert L. Gibson University of Toledo Toledo, Ohio	A Comparative Study of the Academic Achievements of Elementary Age Students of the United States and the British Isles	June 1963 to August 1964
2182	Albert B. Hood University of Minnesota Minneapolis, Minn.	What Type of College for What Type of Student	July 1963 to June 1965
2188	Ross M. Jewell State College of Iowa Cedar Falls, Iowa	The Effectiveness of College-Level Instruction in Freshman Composition	September 1963 to January 1967
2189	Charles Nilan University of Colorado Boulder, Colo.	The Integration, Storage, and Retrieval of Bibliographical Data in English Studies	September 1963 to August 1965
2196	R. C. Winkler and Paul F. Munger University of North Dakota Grand Forks, N. Dak.	Counseling and Guidance for the Underachieving Fourth-Grade Students	September 1963 to September 1964
2199	Horacio J. A. Rimoldi Loyola University Chicago, Ill.	Problem Solving in High School and College Level Students	June 1963 to July 1964
2202	Forrest L. Vance University of Minnesota Minneapolis, Minn.	Clinical Versus Actuarial Prediction of College Achievement and Leadership Activity	July 1963 to June 1964

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
2207	John H. Gaeth Wayne State University Detroit, Mich.	Verbal and Nonverbal Learning in Children Including Those With Hearing Losses	September 1963 to August 1966
2209	Royce R. Ronning University of California Berkeley, Calif.	Multidimensional Analysis of an Experimental Measure of Interest	July 1963 to June 1964
2213	Carl S. Johnson and Charles A. Dambach Ohio State University Columbus, Ohio	Survey of Printed Materials on Conservation Education	October 1963 to September 1963
2220	Mildred C. Templin University of Minnesota Minneapolis, Minn.	Longitudinal Study Through the Fourth Grade of Language Skills of Children with Varying Speech Sound Articulation in Kindergarten	June 1963 to December 1965
2221	Samuel T. Mayo Loyola University Chicago, Ill.	Preservice Preparation of Teachers in Educational Measurement	July 1963 to June 1967
2225	Joseph M. Wepman University of Chicago Chicago, Ill.	School Achievement as Related to Developmental Speech Inaccuracy	July 1963 to June 1967
2233	Douglas D. Sjogren and Allan B. Knox University of Nebraska Lincoln, Nebr.	The Influence of Speed and Prior Knowledge on Adult Learning	October 1963 to October 1965
2234	Quentin C. Stodola North Dakota State University Fargo, N. Dak.	Frequent Classroom Testing as a Learning Aid, Using Data Processing	June 1963 to October 1964
2235	Malcolm H. Robertson Western Michigan University Kalamazoo, Mich.	The Use of Sensory Deprivation as a Method of Stimulating Original Thinking in College Students	June 1963 to June 1964
2243	Harriett A. Podel and Arthur R. Jensen University of California Berkeley, Calif.	Development of Concept Formation in Children	July 1963 to June 1965
2245	Richard H. Bloomer University of Connecticut Storrs, Conn.	The Cloze Procedure as a Tool for Analysis of Verbal Learning and Retention	August 1963 to January 1965
2250	Robert M. Smith University of Florida Gainesville, Fla.	The Relationship of Creativity to Social Class	November 1963 to July 1965
2258	Beverly Duncan University of Michigan Ann Arbor, Mich.	Family Factors and the Dropout: 1920 to 1960	July 1963 to September 1965
2266	Robert H. Shaffer Indiana University Bloomington, Ind.	Foreign Students and Their American Friends	September 1963 to September 1965
2270	Herbert Zimiles Bank Street College of Education New York, N.Y.	The Development of Differentiation and Conservation of Number	July 1963 to June 1965

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
2273	Robert A. Campbell Pennsylvania State University University Park, Pa.	Effects of Field-Oriented Versus Job-Oriented Technical Retraining on Manpower Utilization of the Unemployed	February 1964 to June 1968
2277	Gabriel Della-Piana University of Utah Salt Lake City, Utah	Sequence Characteristics of Text Materials and Transfer of Learning	August 1963 to December 1965
2284	Arnold Bond Woodruff Northern Illinois University DeKalb, Ill.	Methods of Programed Instruction Related to Student Characteristics	July 1963 to June 1965
2288	Frederick R. Cyphert Ohio State University Columbus, Ohio	Development of Taxonomy for the Classification of Teacher Classroom Behavior	September 1963 to May 1965
2299	Milton A. Valentine and Rita S. Seiss University of Colorado Boulder, Colo.	A Speech and Reading Enrichment Program	September 1963 to October 1964
2306	Sidney L. Pressey and John R. Kinzer University of Arizona Tucson, Ariz.	The Effectiveness of Adjunct Auto-Instruction	August 1963 to September 1964
2311	T. J. Kallsen Stephen F. Austin State College Nacogdoches, Tex.	Teachers' Use of Dictating Machines To Improve the Written Composition of College Students	September 1963 to October 1964
2321	Robert L. Green Michigan State University East Lansing, Mich.	The Educational Status of Children in a District Without Public Schools	April 1963 to June 1964
2333	John C. Flanagan University of Pittsburgh Pittsburgh, Pa.	Project Talent Data Analysis and Followup Studies	May 1963 to August 1965
2334	John C. Flanagan University of Pittsburgh Pittsburgh, Pa.	The Use of Standardized Ability Tests in American Public Schools and Their Impact on Students, Teachers, and Administrators	May 1963 to May 1964
2337	John H. Tibbitt and Urban H. Fleege DePaul University East Jackson, Ill.	Montessori Preschool Education	June 1963 to August 1964
2339	Wilbert J. McKeachie University of Michigan Ann Arbor, Mich.	Characteristics of Effective College Teaching	July 1963 to June 1968
2341	Peter J. Elich, Charles W. Harwood, and Herbert C. Taylor Western Washington State College Bellingham, Wash.	Independent Study in the Psychological Foundation of Education	September 1963 to June 1966
"A"	Jerome Bruner Harvard University Cambridge, Mass.	The Development of Designs for Curriculum Research	September 1959 to January 1960

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
"B"	Donald Donley and Robert Lorette College of Education State University of New York Albany, N.Y.	The Investigation of a Method for the Dissemination of Educational Research Findings to Practitioners	October 1959 to September 1961
"C"	Wade M. Robinson Harvard University Cambridge, Mass.	Methods for Disseminating Research Information to School Personnel	December 1959 to June 1961
"D"	Robert L. Thorndike Teachers College Columbia University New York, N.Y.	The Concepts of Over- and Under-Achievement	June 1960 to June 1961
D-005	Patrick Suppes Stanford University Stanford, Calif.	Experimental Teaching of Mathematical Logic to Talented Fifth and Sixth Graders	August 1961 to September 1963
D-009	Miriam L. Goldberg and A. Harry Passow Teachers College Columbia University New York, N.Y.	Accelerated and Enriched Curriculum Programs for Academically Talented Students (Mathematics)	October 1961 to December 1965
D-010	Jack W. Birch University of Pittsburgh Pittsburgh, Pa.	A Field Demonstration of the Effectiveness and Feasibility of Early Admission to School for Mentally Advanced Children	November 1961 to June 1964
D-014	Burton Blatt Boston University Boston, Mass.	A Field Demonstration of the Effects of Automated and Nonautomated Responsive Environments on the Intellectual and Social Competence of Educable Mentally Retarded Children	September 1961 to August 1964
D-022	Robert B. Davis Syracuse University Syracuse, N.Y.	A Modern Mathematics Program as It Pertains to the Interrelationship of Mathematical Content, Teaching Methods, and Classroom Atmosphere (The Madison Project)	September 1961 to October 1962
D-040	Benjamin Cohn New York State Education Department Albany, N.Y.	The Effects of Group Counseling on School Adjustment of Under-Achieving Junior High School Boys Who Demonstrate Acting-Out Behavior	October 1961 to September 1963
D-041	Charles V. Matthews and Edward M. Griffin Southern Illinois University Carbondale and Edwardsville, Ill.	Demonstration: An Educational Program for Slow Learners in Grades Seven Through Twelve	July 1, 1963 to August 1965
D-044	Robert B. Davis Syracuse University New York, N.Y.	A Modern Mathematics Program as It Pertains to the Interrelationship of Mathematical Content, Teaching Methods, and Classroom Atmosphere (The Madison Project), Part II	September 1962 to September 1963
D-050	Alvin Grossman California State Department of Education Sacramento, Calif.	Data Processing for Pupil Personnel and Curricular Services	September 1962 to July 1965
D-054	William M. Cooper Norfolk Division of Virginia State College Norfolk, Va.	Reeducation of Unemployed and Unskilled Workers	September 1962 to February 1965

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Project No.	Investigator and location	Title	Duration
D-067	George Hillocks, Jr. Euclid Public Schools and State Department of Public Instruction Columbus, Ohio	A Comprehensive Program in English for the Seventh, Eighth, and Ninth Grades: Literature, Language, Composition for Honor Students and Average Students	June 1963 to June 1964
D-068	William D. Sheldon Syracuse University Syracuse, N.Y.	A Center for Demonstrating the Teaching of Reading to Students in Grades 7 to 12	May 1963 to August 1966
D-072	Paul D. Plauman and Joseph P. Rice California State Department of Education Sacramento, Calif.	Demonstration of Differential Programming in Enrichment, Acceleration, Counseling, and Special Classes for Gifted Pupils in Grades 1 to 9	April 1963 to December 1966
D-076	David M. Jackson—Part I University of Illinois Urbana, Ill. J. Richard Suchman— Part II State Department of Public Instruction Springfield, Ill.	Part I—Secondary School Programs for Gifted Students in English, Social Science, and Mathematics Part II—Elementary School Programs in Scientific Inquiry for Gifted Students	April 1963 to December 1966
D-093	Robert B. Davis Webster College St. Louis, Mo.	A Modern Mathematics Program as It Pertains to the Interrelationship of Mathematical Content, Teaching Methods, and Classroom Atmosphere (The Madison Project)	September 1963 to September 1965
D-098	Donald L. Thistlethwaite Vanderbilt University Nashville, Tenn.	Effects of College Upon Student Aspirations	June 1963 to August 1964
D-102	Neil M. Postman New York University New York, N.Y.	Demonstration of Linguistics Programs in Secondary Schools	September 1963 to June 1966
D-104	Mark Schorer University of California Berkeley, Calif.	Development of Kinescopes for Teaching 10th-Grade Literature Composition	June 1963 to February 1964
"E-1"	Daniel E. Griffiths Teachers College Columbia University New York, N.Y.	The Job Performance of School Administrators: A Research Development Project	October 1960 to June 1961
"E-2"	Elizabeth M. Drews Michigan State University East Lansing, Mich.	A Study of Nonintellectual Factors in Superior, Average, and Slow High School Students	December 1960 to June 1961
"E-3"	Morris I. Stein New York University New York, N.Y.	Survey of the Psychological Literature in the Area of Creativity With a View Toward Needed Research	September 1961 to August 1962
E-004	Richard Braddock The State University of Iowa Iowa City, Iowa	Synthesis of Research on the Teaching and Learning of Composition With Suggestions for Research	April 1962 to May 1963
E-005	Ruth G. Strickland Indiana University Bloomington, Ind.	The Contribution of Structural Linguistics to the Teaching of Reading, Writing, and Grammar	April 1962 to September 1963

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
E-006	John R. P. French, Jr. The University of Michigan Ann Arbor, Mich.	Self-Actualization and the Utilization of Talent	May 1962 to November 1962
E-007	Winthrop N. Francis Brown University Providence, R.I.	A Standard Sample of Present-Day English for Use With Digital Computers	February 1963 to August 1964
E-014	Egon G. Guba Ohio State University Columbus, Ohio	Development of a National Register of Educational Researchers	September 1963 to September 1964
E-016	Erwin H. Schneider Ohio State University Columbus, Ohio	Evaluation and Synthesis of Research Studies Relating to Music Education	September 1963 to September 1965
"F-1"	William B. King University of Georgia Athens, Ga.	Survey of the Status of Research in Guidance and Counseling	January 1961 to February 1961
"F-2"	Jack A. Culbertson Ohio State University Columbus, Ohio	Research in Educational Administration	April 1961 to April 1962
F-006	James J. Gallagher University of Illinois Urbana, Ill.	A Conference on Research on the Education of Gifted Children	May 1962 to January 1963
F-007	Erwin R. Steinberg Carnegie Institute of Technology Pittsburgh, Pa.	Needed Research in the Teaching of English	May 1962 to October 1962
F-008	Esther Loyd-Jones Teachers College Columbia University New York, N.Y.	Research Development Conference To Stimulate Research in Guidance	November 1962 to September 1963
F-010	R. I. Schiefelbusch University of Kansas Lawrence, Kans.	Research Planning Conference in Speech and Hearing for Mentally Retarded Children	March 1963 to February 1964
F-014	Roy A. Price Syracuse University Syracuse, N.Y.	Needed Research in the Teaching of the Social Studies in Elementary and Secondary Schools	May 1963 to January 1964
F-015	Frederick R. Cyphert Ohio State University Columbus, Ohio	Conference on Teacher Education	September 1963 to May 1964
F-016	Robert R. Sears Stanford University Stanford, Calif.	Research Seminar on Children's Learning	June 1963 to December 1963
F-017	A. Stafford Clayton Indiana University Bloomington, Ind.	Historical and Social Determinants of Public Education Policy in the United States	August 1963 to January 1965
F-019	Richard C. Atkinson Stanford University Stanford, Calif.	Research Conference on Learning and Educational Process	September 1963 to September 1964
F-025	David H. Russell University of California Berkeley, Calif.	National Conference on Research in the Teaching of English	November 1963 to April 1964
F-32	John I. Goodlad University of California Los Angeles, Calif.	Application of Electronic Data Processing Methods in Education	November 1963 to May 1964

PROJECTS APPROVED

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<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
"G-1"	R. Kenneth Wilcox University of Wisconsin Madison, Wis.	Strategies for Behavioral Research in Mental Retardation	July 1961 to October 1961
G-004	John C. Gerber The State University of Iowa Iowa City, Iowa	An Independent Evaluation of the 1962 Summer Institute Program of the Commission on English of the College Entrance Examination Board With Recommendations for Future Institutes	June 1962 to June 1963
G-006	Robert W. Rogers University of Illinois Urbana, Ill.	The Allerton Park Conference on Research in the Teaching of English	November 1962 to April 1963
G-007	Stephen P. Hencley University of Illinois Urbana, Ill.	Research Seminar on Community Decision-Making and Change and Their Influence Upon Education	February 1963 to February 1964
G-008	Ruth G. Strickland Indiana University Bloomington, Ind.	A Seminar on Reading	January 1963 to May 1963
G-009	Louise M. Rosenblatt New York University New York, N.Y.	Research Development Seminar in Teaching of English	February 1963 to July 1963
G-010	Jerrold R. Zacharias, Frederick Burkhardt, and Elting Morison Massachusetts Institute of Technology Cambridge, Mass.	Planning Seminars for a Curriculum Reform Program in Social Studies and History	March 1963 to June 1963
G-011	B. J. Chandler and others Northwestern University Evanston, Ill.	Research Seminar on Teacher Education	April 1963 to July 1963
G-013	Claude U. Palisca Yale University New Haven, Conn.	Seminar on Music Education	May 1963 to August 1963
G-015	Robert D. Hess and Robert J. Havighurst University of Chicago Chicago, Ill.	Development of Cross-National Research on the Education of Children and Adolescents	October 1963 to October 1964
G-020	William C. Kvaraceus Tufts University Medford, Mass.	Negro Self-Concept: Implications for School and Citizenship	September 1963 to January 1964
G-021	John Niemeyer Bank Street College of Education New York, N.Y.	Seminar on Education for Culturally Different Youth	August 1963 to April 1964
H-001	Paul A. Olson University of Nebraska Lincoln, Nebr.	An Articulated Program in Composition (K to 13)	May 1962 to April 1967
H-003	Jean H. Hagstrum, Elderidge T. McSwain, and Stephen Dunning Northwestern University Chicago, Ill.	Curriculum Study Center in English and Related Fields	March 1962 to March 1967

<i>Project No.</i>	<i>Investigator and location</i>	<i>Title</i>	<i>Duration</i>
H-009	Stanley B. Kegler, Harold B. Allen, and Donald K. Smith University of Minnesota Minneapolis, Minn.	Preparation and Evaluation of Curricular Materials and Guides for English Language Study in Grades 7 to 12	July 1962 to June 1967
H-015	Erwin R. Steinberg and Robert C. Slack Carnegie Institute of Technology Pittsburgh, Pa.	The Development of a Sequential and Cumulative Program in English for Able College-Bound Students in the Senior High School, Grades 10 through 12	April 1962 to March 1966
H-022	Marjorie B. Smiley Hunter College New York, N.Y.	Development of Reading and English Language Materials for Grades 7 to 9 in Depressed Urban Areas	August 1962 to June 1967
H-023	Albert R. Kitzhaber University of Oregon Eugene, Oreg.	A Sequential Curriculum in Language, Reading, and Composition (Oral and Written), Grades 7 through 12	September 1962 to August 1967
H-026	Dwight L. Burton Florida State University Tallahassee, Fla.	A Curriculum Study Center To Develop and Test Approaches to Sequential Curriculums in Junior High School English	July 1963 to December 1967
H-029	Robert C. Pooley University of Wisconsin Madison, Wis.	A Sequential English Language Arts Curriculum in Linguistics, Logic, Semantics, Rhetoric, Composition and Literary Analysis, and Criticism for Grades K to 12	May 1963 to June 1967
HS-041	Edwin Fenton Carnegie Institute of Technology Pittsburgh, Pa.	A High School Social Studies Curriculum for Able Students	April 1963 to September 1967
HS-045	Edith West and others University of Minnesota Minneapolis, Minn.	Preparation and Evaluation of Social Studies Curriculum Guides and Materials for Grades K to 14	April 1963 to June 1967
HS-058	Donald W. Oliver Harvard University Cambridge, Mass.	A Law and Social Science Curriculum Based on the Analysis of Public Issues	June 1963 to May 1968
HE-078	J. W. Richard Lindemann University of Georgia Athens, Ga.	Developing Competency in Written Composition in Children from Kindergarten Through Elementary School by Means of Curricular Materials	July 1963 to June 1968
HE-080	Edward B. Jenkinson Indiana University Bloomington, Ind.	English Open to All Junior and Senior High School Students	August 1963 to August 1968
HS-081	Roy A. Price Syracuse University Syracuse, N.Y.	Identification of Major Social Science Concepts and Their Utilization in Institutional Materials	June 1963 to May 1968
HS-082	Meno Lovenstein and others Ohio State University Research Foundation Columbus, Ohio	Development of Materials in Economics for Secondary Schools	October 1963 to September 1966
HS-083	Jonathon C. McLendon Northwestern University Evanston, Ill.	Social Studies Curriculum Center: A Sequential Curriculum on American Society for Grades Five to Twelve	January 1964 to December 1968
HE-084	Gerald Dykstra Columbia University New York, N.Y.	Teaching English as a Second Language	June 1963 to November 1966
HS-085	Ella C. Leppert University of Illinois Urbana, Ill.	Development and Trial in Public Schools of the First Three Courses in a Sequential Social Studies Program for the Secondary School	August 1963 to December 1968

APPENDIX A

Principal Investigators

<i>Principal investigators</i>	<i>Project No.</i>	<i>Principal investigators</i>	<i>Project No.</i>
Abraham, Willard	185	Bilodeau, Ina M	1910
Agger, Robert E	1759	Birch, Jack W	1766, 1769, D-010
Ainsworth, Stanley	171	Bixler, Ray H	1005, 1370
Albers, Theodore	307	Blake, Kathryn	470, 695, 1356
Alberty, Elsie J	320	Blatt, Burton	D-014
Allen, Elliot D	1993	Blatt, Sidney J	1382, 1931
Allen, Harold B	H-009	Bledsoe, Joseph C	1008
Allen, William H	1956	Bloom, Benjamin S	1854
Allison, Joel	1931	Bloom, Richard	753
Alpert, Richard	1373	Bloomer, Richard H	2245
Anastasiow, Nicholas	1838	Blum, Abraham H	266
Anderson, Hayden L. V	2024	Bond, Horace M	458
Anderson, Irving H	1163, 1903	Bonk, Wallace J	1584
Anderson, John O	176	Borg, Walter R	577
Anderson, Richard C	1790	Bornmuth, John R	2082
Andrew, Dean	008	Bornstein, Harry	1633
Angell, Robert C	330	Bosdell, Betty J	1263
Annas, Philip A	382	Bowerman, Charles E	1168
Ascarelli, Anna	424, 916	Bowers, Norman D	469
Asher, E. J	613	Bowin, William F	1193
Asher, J. William	1275	Bowman, Paul H	200, 208, 1097
Atkinson, John W	1283	Boyd, G. R	672
Baer, Clyde J	408	Boyer, E. Gil	186
Bailey, Benjamin	2152	Boyer, Roscoe A	783, 1605
Baker, Frank B	1299	Boyle, Ruth	162
Barber, Carroll G	502	Braddock, Richard	E-004
Bargmann, Rolf E	1132	Brandon, George L	629
Barker, Roger G	594	Brauner, Charles J	245
Barnette, W. L	1350	Brittell, Robert W	1275
Barton, Allen H	1672	Brookover, Wilber B	845, 1636
Bashshur, Rashid	1828	Brooks, Melvin S	401
Bassett, Robert D	715	Brown, John A	1487
Bateman, Donald R	1746	Brownell, John A	1969
Battig, William F	730	Brownell, William A	1676
Beaird, James H	1253	Bruner, Jerome	"A"
Beardslee, David C	562, 1150	Bryan, Roy C	668
Beberman, Max	1566	Bryne, Margaret C	620
Beeman, Ellen Y	149	Brzeinski, Joseph E	1134
Beier, Ernest G	1308	Buck, Roy C	065
Beittel, Kenneth	1874	Burkhardt, Frederick	E-010
Bellack, Arno A	1497, 2023	Burham, Paul S	1846
Berdie, Ralph F	951	Burr, Samuel E., Jr	341
Bereiter, Carl	2129	Burris, W. R	139
Bettison, David	2329	Burton, Dwight L	1523, H-026
Biber, Barbara	1401	Button, Henry W	1026
Biddle, Bruce J	371, 1082	Cain, Leo F	109, 416, 589, 1891
Bills, Robert E	591	Calandra, Alexander	403

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Principal investigators</i>	<i>Project No.</i>	<i>Principal investigators</i>	<i>Project No.</i>
Campbell, Angus	1816	Demming, John A	457
Campbell, David P	1346, 2160	Denemark, George W	1091
Campbell, Ernest Q	1168	Deutsch, Martin	908, 1099
Campbell, Robert A	2273	Devane, Joseph R	1015, 1449
Cantor, Gordon N	076	DiCarlo, Louis M	082
Capobianco, Rudolph J	019, 081, 092	Dickerson, Bessie E	1704
Carpenter, Finley	1474	Dole, Arthur A	757, 2109
Carrier, Neil A	578	Donley, Donald	"B"
Carriker, William R	146	Donlon, Edward T	470
Carroll, John B	217	Dressel, Paul L	372, 590, 1646
Carter, Harold D	1459	Drevdahl, John E	664
Carter, Lamore J	1704	Drews, Elizabeth M	608, "E-2"
Carter, Richard F	308, 1039	DuBois, Philip H	642, 1338
Carterette, Edward C	1877	Duncan, Beverly	2258
Cassidy, Sally W	1455	Dunn, James	753
Cassidy, Viola	043	Dunn, Lloyd M	103
Cattell, Raymond B	701, 1411	Dunning, Stephen	H-003
Chandler, B. J	G-011	Durrell, Donald D	014, 407
Charters, W. W., Jr	929	Dykstra, Gerald	HE-084
Child, Irvin L	669, 1748	Eaton, Joseph W	2072
Childs, Gayle B	2010	Eckert, Ruth E	169, 557
Chilman, Catherine S	961	Edson, William H	173
Christian, Floyd T	1067	Edwards, T. Bentley	274, 379
Clayton, A. Stafford	F-017	Elam, Claude B	833, 1575
Cleland, Donald L	2083	Elich, Peter J	2341
Cline, Victor B	1107	Ennis, Robert H	1680
Cohn, Benjamin	D-040	Entwistle, Doris R	1203
Coleman, James S	120, 1999	Eye, Glen B	1913
Colombotos, John L	330	Eyman, R. Merle	341
Combs, Arthur W	814	Farquhar, William W	846
Cook, Desmond	1757	Fattu, Nicholas A	419, 525
Cook, John O	1242	Feifer, Irwin	352
Cook, Walter W	174, 686	Fenton, Edwin	HS-041
Cooley, William W	436, 715, 896	Ferguson, LeRoy C	532
Cooper, James G	477	Fisher, Margaret B	1921
Cooper, William M	D-054	Flanagan, John C	226, 566, 635, 2333, 2334
Corwin, Ronald G	1934	Flanders, Ned A	397
Coster, John K	385	Fleege, Urban H	2337
Cowley, W. H	245	Fliegler, Louis A	018, 862
Cox, Anna B	737	Floxy, Stanley E	1828
Crites, John O	805, 1537	Folger, John K	2065
Croft, Don B	543	Ford, Roxana R	244
Cruickshank, William M	018, 090, 127	Foster, Julian F. S	729
Culbertson, Jack A	F-002	Foulke, Emerson	1370
Curtis, Theodore	444	Fouracre, Maurice H	167
Cyphert, Frederick R	2288, F-015	Francis, Robert J	152
Dambach, Charles A	2213	Francis, Winthrop N	E-007
Damrin, Dora E	939	Franklin, Adele	1527
Daniels, Philip B	1810	Freedman, Alfred M	1099
Davidson, Kenneth S	624	Freedman, Mervin B	736
Davis, Allison	542	French, John R., Jr	2171, E-006
Davis, Frederick B	297, 392	French, Joseph L	2141
Davis, O. L., Jr	2101	Friedenberg, Edgar Z	787, 1758
Davis, Robert B	D-022, D-044, D-093	Furst, Edward J	HS-082
Davitz, Joel R	1497	Gaeth, John H	289, 2207
deCharms, Richard	390	Gallagher, James J	965, F-006
DeHaan, Robert F	697		
de Jung, John	1182		
Della-Piana, Gabriel M	864, 2277		

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<i>Principal investigators</i>	<i>Project No.</i>	<i>Principal investigators</i>	<i>Project No.</i>
Gardner, Eric F.	259A	Hencley, Stephen P.	G-007
Gardner, Sheldon F.	1060	Hendrickson, Andrew	1530
Garry, Ralph J.	424, 916	Henry, George H.	1487
Gaver, Mary V.	489	Henton, Comradge L.	1592
Gerber, John C.	G-004	Hereford, Karl T.	918, 1443
Gerbner, George	876	Herrick, Virgil E.	151, 263, 1755
Getzels, Jacob W.	098	Hess, Robert D.	542, 1078, G-015
Gibson, Robert L.	2177	Hewes, Robert E.	336
Gilmore, Alden S.	1267	Hilgendorf, Robert L.	401
Glaser, Robert	691, 1343	Hill, Edwin H.	1571
Glassow, Ruth B.	696	Hillocks, George, Jr.	D-067
Glock, Charles Y.	1924	Hilton, Thomas L.	1046
Goldberg, Miriam L.	D-009	Hirsch, Werner Z.	1045
Goldhammer, Keith	1765	Hoff Sommer, Harold C.	748
Goldman, Nathan	181	Hollis, Ernest V.	166
Goldstein, Herbert	619	Holmes, Jack A.	538
Goodlad, John I.	454, F-026	Homme, Lloyd E.	691
Goodman, Samuel M.	148	Hood, Albert B.	2182
Goodstein, Bernard	2071	Hostetler, John A.	1683
Goodstein, Leonard D.	805	Hoyt, Cyril J.	244
Gordon, C. Wayne	1084	Hoyt, K. B.	160
Gordon, Ira J.	813, 1717	Hudgins, Bryce B.	793
Graham, Leon R.	212	Hudson, Margaret	155
Green, Robert L.	2321	Huelsman, Charles B., Jr.	1898
Green, Russel F.	1963	Hughes, Marie M.	353
Gribbons, Warren D.	1221	Hummel, Raymond C.	1057
Griffins, Edward M.	D-041	Hunt, Kellogg W.	1998
Griffiths, Daniel E.	214, "E-1"	Hunter, W. W.	1422
Gross, Neal	714, 853	Iannaccone, Laurence	1026
Grossman, Alvin	D-050	Ikenberry, Stanley O.	372
Gruber, Howard E.	761	Inselberg, Rachel	1770
Guba, Egon G.	E-014	Irwin, Ruth B.	1983
Guetzkow, Harold	975	Isaacson, Robert L.	805
Guilford, J. P.	737, 1342, 1976	Jacks, Lee L.	1991
Gurin, Gerald	1938	Jackson, David M.	D-076
Gutsch, Kenneth U.	1734	Jackson, Philip W.	098
Hagan, Elizabeth P.	574	Jacoby, Beatrice F.	690
Hagstrum, Jean H.	H-003	Jaffe, A. J.	1269
Haller, Archie O.	413	James, H. Thomas	803, 1241
Halpin, Andrew W.	543	James, William H.	2016
Hamacheck, Don E.	1636	Janowitz, Morris	330
Hampton, Nellie D.	423, 614, 923	Jensen, Arthur R.	1867, 2243
Hanley, Theodore D.	492	Jensen, Kai	150, 1440
Hanna, Paul R.	1032, 1991	Jewell, Ross M.	218
Hansen, Millard	1018	Jewett, Robert E.	1632
Hardy, Miles W.	1267	Johnson, G. Orville	091, 859
Haring, Norris G.	922, 1182	Johnson, Neal F.	1996
Haroutunian, Berj	368	Johnson, Thomas E.	1241
Harris, Dale B.	365	Jones, George T.	2049
Harris, Theodore L.	151, 263, 1755	Jones, Margaret H.	1877
Harshbarger, Boyd	1132	Jordan, Thomas E.	390
Harwood, Charles W.	D-100	Jung, Christian W.	037
Hastings, J. Thomas	509, 702, 939	Kallsen, T. J.	2311
Hawley, Amos	330	Kegler, Stanley B.	H-009
Hebeler, Jean	018	Keislar, Evan R.	1090, 1413, 1684
Hedges, William D.	1972	Keller Franklin J.	1038
Hegge, Thorlief G.	178	Kelly, J. T.	156
Heil, Louis M.	352, 1153		
Hemphill, John	214		

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Principal investigators</i>	<i>Project No.</i>	<i>Principal investigators</i>	<i>Project No.</i>
Kelly, Ruby	1823	Little, J. Kenneth	247, 485
Kennedy, Wallace A	954, 1929	Litwak, Eugene	1796
Kent, Allen	1298, 1517, 1743	Loban, Walter	324, 1131
Ketcham, Warren A	096, 1286	London, Jack	1017
Keys, John W	499	Long, Eugene R., Jr	1521
Kimbrough, Ralph B	1324	Loomis, Chester M	178
King, Arthur R	1969	Lorette, Robert	"B"
King, William B	"F-1"	Lorge, Irving	170
Kinzer, John R	2306	Lotsof, Erwin J	2016
Klausmeier, Herbert J	153, 1442	Lott, Albert J	1700
Klohr, Paul R	320	Lott, Bernice E	1700
Klopfer, L. E	896	Low, Gordon	165
Knapp, Patricia	874	Lowell, Edgar L	502, 907
Knowles, Laurence W	1701	Loyd-Jones, Esther	F-008
Knox, Allan B	2233	Lucio, William H	648
Koelsch, Charles C	640	Lumsdaine, Arthur A	1402
Kogan, Nathan	1316		
Koistoe, Ralph H	1266	Maccia, Elizabeth S	1632
Kornberg, Leonard	935	Maccia, George S	1632
Kreisman, Arthur	009	Maccoby, Eleanor E	1040
Kreitlow, Burton W	375, 1318	MacPherson, James R	172
Kropp, R. P	2117	Mallinson, George G	503, 1941
Krug, Richard F	499	Maloon, James	1853
Krulee, Gilbert K	1745	Malpass, Leslie F	578, 1267, 1921
Kuethe, James L	1218	Mange, Charles V	078
Kuhlen, Raymond G	047, 048	Manis, Jerome G	042
Kuvlesky, William P	065	Manuel, H. T	681
Kvaraceus, William C	015, G-020	Marcson, Simon	1479
Lambert, Nadine	1186, 1980	Markwell, Noel G	613
Lambert, Phillip	1391, 2018	Martin, William E	226
Lamke, Tom A	423	Masling, Joseph M	512
Lang, Gerhard	1750	Matthews, Charles V	200, D-041
Lange, Drexel	145	Mathewson, Robert H	1368
Lansing, John B	708	Maw, Wallace H	801, 1511
Larson, William	1353	Mayo, Samuel T	2221
Lassers, Leon	165	McCann, Lloyd E	1359
Landry, Leonard P	1987	McCarthy, Sister Mary Viterbo	052
Lazarfeld, Paul F	1974	McColly, William	1528
Lee, John J	178	McDavid, Ravan I	2107
Lehman, Irvin J	372, 590, 1646	McGrath, Earl J	647
Leichman, Nathan S	175	McGrath, G. D	938
LeMelle, Tilden	1704	McGraw, Lynn W	1979
Lennard, Henry L	1738	McGuigan, Frank J	1863
LePere, Jean	1636	McGuire, Carson	025, 742, 1138
Leppert, Ella C	HS-085	McKeachie, Wilbert J	850, 2330
Lesser, Gerald S	297, 392, 1635, 2139	McKeon, Brenda	1549
Leu, Donald J	1443	McLendon, Jonathon C	HS-083
Levin, Harry	639	McNeil, John D	1084, 1413
Levine, Samuel	109, 589, 1891	McSwain, Eldridge T	H-003
Levinson, Billey	1059	Medlin, William K	1414
Lewis, Edwin C	763	Mednick, Martha T	1073
Jia, San-su C	1339	Mednick, Sarnoff A	1073
Lindemann, J. W. R.	HE-078	Medsker, Leland L	1133, 1328, 2167
Lindman, Erick L	2123	Melton, Jessica S	1517
Lindsey, Herbert H	1202	Merrifield, Philip R	738, 1060, 1342
Linford, Velma	313	Meux, Milton O	258, 1640
Lipham, James M	1913	Meyerson, Lee	418
Lippitt, Ronald	1167, 1866	Michael, John L	418
Lister, James L	1344	Milholland, John E	805
		Miller, Donald M	2018

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<i>Principal investigators</i>	<i>Project No.</i>	<i>Principal investigators</i>	<i>Project No.</i>
Jiller, Howard G.	1242	Potts, Alfred M.	307
Miller, Irwin W.	412	Powell, Marion	352
Miller, James W.	1570	Fressey, Sidney L.	2306
Miller, Marian B.	273	Price, Philip B.	1551, 2110
Minuchin, Patricia	1401	Price, Roy A.	F-014, HS-081
Mlodnosky, Lucille B.	1838	Proctor, Virginia H.	816
Moore, Wilbur	1731	Proff, Fred C.	623, 934
Morgan, James N.	812	Proshansky, Harold	1866
Morison, Edling	G-010	Quigley, Stephen P.	685
Morphet, Edgar L.	677, 1076	Rarick, G. Lawrence	152, 263, 1755
Morse, William	753	Rau, Lucy	1040, 1838
Moss, Jerome, Jr.	2050	Ray, Charles K.	011, 878
Mullen, Frances A.	157	Reese, Hayne W.	1059
Munger, Paul F.	2196	Reid, Hale C.	1869
Murphree, E. L., Jr.	1605	Reiss, Albert J., Jr.	012, 507
Musmanno, Neal V.	1275	Reynolds, James W.	333
Nelson, Norbert J.	385	Reynolds, Maynard C.	192
Newburger, Howard	332	Rhoads, William G.	1648
Newcomb, Theodore M.	1926, 1938	Rhodes, Albert Lewis	507
Niemeyer, John	G-021	Rimoldi, Horacio J. A.	1015, 1449, 2199
Nilon, Charles	2189	Ringness, Thomas A.	154
Norris, Raymond C.	637	Robertson, Malcolm H.	2235
Norsworthy, David R.	722	Robinson, James A.	1568
North, Steward D.	1495	Robinson, James T.	1969
Novack, Harry S.	186	Robinson, Wade M.	"C"
Odell, William R.	308, 1039	Roca, Pablo	131
O'Donnell, Roy C.	1524	Roff, Merrill	1351
O'Dowd, Donald D.	562, 1150	Rogers, Carl R.	1417, 1621
Ohlson, Merle M.	623, 933, 934	Rogers, Robert W.	G-006
Oliver, Donald W.	551, HS-058	Rohman, D. Gordon	2174
Olson, Paul A.	H-001	Rokeach, Milton	879
Orton, J. W.	1368	Ronning, Royce R.	1493, 2209
Orton, Kenneth D.	578	Root, Blake S.	221
Owens, William A.	1052	Rosenblatt, Louise M.	G-009
Pace, C. Robert	378, 1033	Rosenbloom, Paul C.	1020
Palisca, Claude U.	G-013	Rosenfeld, Howard	451
Parker, Floyd G.	1443	Rossi, Peter H.	1194
Passow, A. Harry	D-639	Rothney, John W. M.	932, 1094
Patton, Francis	492	Roy, Howard L.	1383
Payne, Joseph	2047	Punkel, Philip J.	702, 939
Peck, John R.	026, 1533	Ruck, Elizabeth H.	2104
Peck, Robert F.	1781	Russell, David H.	F-025
Pellegram, Roland J.	1765	Russell, Wylie H.	341
Pennell, Ruth L.	382	Sanford, Nevitt	1355
Perry, William G. Jr.	978	Sarason, Seymour B.	624
Peterson, LeRoy J.	1495	Sauer, Edwin H.	550
Petzold, Robert G.	554, 766, 1051	Schein, Jerome D.	1383
Pielstick, N. L.	1962	Schiefelbusch, R. L.	F-010
Pierce, James V.	208, 1097	Schill, William J.	2048
Pinner, Frank A.	1412	Schlanger, Bernard B.	973
Plant, Walter T.	348, 914	Schmid, Calvin F.	309
Podel, Harriett A.	1459, 2243	Schmid, John	453
Pooley, Robert C.	H-029	Schneider, Erwin H.	E-016
Pope, Saxton	1355	Scholl, Geraldine T.	1163
Porter, Douglas	142	Schorer, Mark	D-104
Postman, Neil M.	D-102	Schucman, Helen	332
		Schutz, Richard E.	1048

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Principal investigators</i>	<i>Project No.</i>	<i>Principal investigators</i>	<i>Project No.</i>
Schutz, William C.	677, 1076	Stroud, James B.	145
Schwartz, Donald F.	1266	Stroup, Francis	008
Sears, Pauline S.	873	Stuckless, E. Ross	1769
Sears, Robert F.	2035	Stunkard, Clayton L.	192
Seiss, Rita S.	2299	Suchman, J. Richard	1547, D-076
Sells, Saul B.	1351	Super, Donald	1393
Shaffer, George	492	Suppes, Patrick	727, 1616, D-005
Shaffer, Robert H.	2266	Sustakoski, Henry J.	1856
Shanley, Fred	1353	Sutton, Joseph T.	1365, 1993
Shapiro, Edna K.	1401	Sweitzer, Robert E.	1329
Sheldon, William D.	D-068		
Siegenthaler, Bruce M.	495	Taba, Hilda	1574
Silverman, Robert E.	2035	Taber, Julian	691
Simpson, Richard L.	722, 906	Tate, Merle W.	368
Singer, Harry	538, 2011	Taylor, Calvin W.	621
Sjogren, Douglas D.	1253, 1534, 2233	Taylor, Herbert C.	D-100
Slack, Robert C.	H-015	Telford, Charles W.	914
Slocum, Walter M.	2055	Templin, Mildred C.	387, 818, 2220
Smiley, Marjorie B.	H-022	Terrell, Glen	1139
Smith, B. Othanel	258, 1640	Thelen, Herbert A.	428
Smith, Donald K.	H-009	Thistlethwaite, Donald L.	657, D-099
Smith, Helen K.	1714	Thomas, Donald R.	674
Smith, Henry L.	1856	Thompson, George G.	259B
Smith, Lloyd L.	145	Thompson, O. E.	1849
Smith, Louis M.	570, 798, 1226	Thorndike, Robert L.	574, "D"
Smith, Manon B.	382	Thorsell, Marguerite	055
Smith, Ralph U.	1828	Thurstone, Thelma G.	168
Smith, Robert M.	2250	Thweatt, Roger C.	1594
Smith, Walter D.	457, 510	Tibbett, John H.	2337
Smock, Charles D.	790	Toby, Jackson	526
Snyder, Richard C.	1568	Tohtz, Jack E.	1750
Soar, Robert S.	469, 1170	Torrance, E. Paul	725, 994
Solberg, Archie N.	640	Tovatt, Anthony L.	1989
Solomon, Herbert	1327	Travers, Robert M. W.	444, 1196
Soper, Daniel W.	814	Trippe, Matthew J.	859, 1394
Spaulding, Robert L.	1352	Tucker, Allan	1146
Squire, James R.	1994	Tumin, Melvin M.	1928
Staats, Arthur W.	1048	Turkes, Walter R.	1323
Staats, Carolyn K.	1048	Turner, Richard L.	1262
Stake, Robert E.	573, 1253		
Standlee, Lloyd S.	039	Valentine, Milton A.	2299
Stanier, Barbara	368	Van De Riet, Vernon	954
Stanley, Julian C.	149, 789	Van Dyke, L. A.	160
Stanton, Jeanette C.	043	Van Egmond, Elmer	099
Starkweather, Elizabeth K.	1967	Van Riper, Charles	739, 1538
Stecklein, John E.	169	Vance, Forrest L.	2202
Steer, M. D.	159, 492, 649	Voelker, Paul H.	178
Stein, Morris I.	"E-3"	Volsky, Theodore	1346
Steinberg, Erwin R.	F-007		
Steinhaus, Arthur H.	1529	Wakefield, Howard E.	1202, 1495
Stellwagon, Walter	1493	Wallach, Michael A.	1316
Stern, George G.	179, 183, 512	Wallen, Norman E.	1217, 2096
Steward, Joseph L.	969	Wallin, Paul	1935
Stewart, Lawrence H.	1493	Walling, W. Donald	1038
Stodola, Quentin C.	1266, 2234	Walton, Thomas W.	1202
Stolurow, Lawrence M.	661	Watson, Walter S.	1726
Storen, Helen	935	Wattenberg, William W.	201, 377
Stott, Leland H.	1166	Wax, Murray	1361
Stricker, George	2169	Weaver, Harry T.	1641
Strickland, Ruth G.	561, E-005, G-008	Webb, Clarence E.	1731

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Weisbrod, Burton A.....	1045	Wittryol, Sam I.....	1477
Weitman, Morris.....	761	Wittrock, Merlin C.....	1684
Wells, Herman.....	HE-080	Witty, Paul A.....	367
Wenger, M. A.....	648	Woerdehoff, Frank J.....	385
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Wepman, Joseph M.....	1198	Wood, Nancy E.....	184
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White, James C.....	954	Woodward, Mary F.....	502, 907
Wilcox, R. Kenneth.....	"G-1"	Woollatt, Lorne H.....	1944
Wilk, Roger E.....	173, 473	Wright, Benjamin.....	1503
Willard, Richard W.....	336	Wright, E. Muriel J.....	816
Willcutt, Herman C.....	1929	Wright, Wendell W.....	037
Willenberg, Ernest P.....	175	Wrightstone, J. Wayne.....	144, 1124
Wiley, David E.....	789	Yamamoto, Kaoru.....	2021
Williams, Charles F.....	1267	Zacharis, Jerrold R.....	G-010
Williams, Joanna P.....	2100	Zander, Alvin.....	099, 451, 1143
Willingham, John R.....	2408	Zidonis, Frank J.....	1746
Wilson, Craig.....	591	Zimiles, Herbert.....	2270
Wilson, Mamie L. T.....	513	Zimmer, Basil G.....	1044
Wing, Richard L.....	1948	Zintz, Miles V.....	275
Winkler, R. C.....	2196	Zuben, Joseph.....	908
Wirtz, Morvin A.....	1607		
Wise, Harold L.....	1772		

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Alabama				Delaware	
Auburn University, Auburn		1641		State Department of Education, Dover	273
Troy State College, Troy		672		University of Delaware, Newark	801, 1487, 1511
Alaska				District of Columbia	
University of Alaska, College		011, 878		American University	341
Arizona				Catholic University	2049
Arizona State University, Tempe		185, 938, 1048		Gallaudet College	685, 1383, 1633
University of Arizona, Tucson		1359, 2306		George Washington University	221
Arkansas				U.S. Office of Education	166
Southern State College, Magnolia		008		Florida	
University of Arkansas, Fayetteville		453		Florida State University, Tallahassee	457,
California				510, 954, 1523, 1929, 1998, 2065, 2117, H-026	
Claremont University College, Claremont		1969		State Department of Education, Tallahassee	1067
San Francisco State College, San Francisco		109,		Stetson University, De Land	1365, 1993
	165, 416, 589, 1574, 1891			University of Florida, Gainesville	156,
San Jose State College, San Jose		348, 914		813, 814, 1324, 1717, 2250	
Stanford University, Stanford		245,		University of Miami, Coral Gables	664
	308, 727, 803, 873, 1032, 1039, 1040, 1241, 1327,			University of South Florida, Tampa	1267, 1921
	1355, 1616, 1838, 1935, 1991, D-005, F-016.				
State Department of Education, Sacramento		175,		Georgia	
	1186, 1980, D-050			Atlanta University, Atlanta	458
University of California, Berkeley		274,		University of Georgia, Athens	171,
	324, 379, 438, 538, 677, 1017, 1076, 1131, 1133,			695, 1008, 1356, F-001, HE-078	
	1328, 1459, 1493, 1676, 1867, 2167, 2209, 2243,				
	D-104, F-026.			Hawaii	
University of California, Davis		1849		University of Hawaii, Honolulu	757, 1570, 2109
University of California, Los Angeles		648,		Illinois	
	1045, 1083, 1084, 1090, 1402, 1413, 1684, 1877,			George Williams College, Chicago	1529
	2082, 2123, F-026.			Loyola University, Chicago	1015, 1449, 2199, 2221
University of California, Riverside		2011		Northern Illinois University, Dekalb	1962, 2016, 2284
University of Santa Clara, Santa Clara		729		Northwestern University, Evanston	367,
University of Southern California, Los Angeles		502,		1568, 1745, G-011, H-003, HS-083	
	737, 907, 1060, 1342, 1353, 1956, 1976.				
Colorado				Southern Illinois University, Carbondale	176, 401, 578
Colorado State College, Greeley		1650, 1987		State Department of Public Instruction, Springfield	157,
State Department of Education, Denver		307, 1134		D-076	
University of Colorado, Boulder		761, 2189, 2299			
University of Denver, Denver		969		University of Chicago, Chicago	098,
Western State College, Gunnison		1594			120, 200, 208, 428, 454, 542, 975, 1078, 1097, 1194,
Connecticut					1198, 1503, 1714, 1845, 2107, 2225, G-015.
State Department of Education		1826		University of Illinois, Urbana	258,
University of Connecticut, Storrs		2245			509, 619, 623, 661, 701, 702, 876, 933, 934, 939,
Wesleyan University, Middletown		562			965, 1344, 1352, 1411, 1547, 1566, 1640, 1790,
Yale University, New Haven		624,			1994, 2048, 2129, D-076, F-006, G-001, G-007,
	669, 1382, 1748, 1846, 1931, G-013				HS-085.
				University of Illinois, Chicago	1139

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De Paul University, East Jackson	2337		Wayne State University, Detroit	178, 201,	
Indiana University, Bloomington	037, 039, 419, 525, 561, 1262, 2266, E-005, F-017, G-008		289, 377, 874, 1001, 1455, 2207		
Purdue University, Lafayette	159, 266, 385, 492, 613, 649, 790, 1052		Western Michigan University, Kalamazoo	042, 503, 668, 739, 1538, 1941, 2235	
Iowa					
Iowa State Teachers College, Cedar Falls	614, 923, 2188		Minnesota		
Iowa State University, Ames	763		University of Minnesota, Minneapolis	169, 173, 174, 192, 244, 365, 387, 397, 473, 557, 686, 725, 818, 951, 994, 1020, 1346, 1351, 2050, 2160, 2182, 2202, 2220, H-009, HS-045.	
State Department of Public Instruction, Des Moines	145, 160, 428		Mississippi		
State University of Iowa, Iowa City	507, 805, 1537, 1869, E-004, G-004		State Department of Education, Jackson	139	
Kansas			University of Mississippi, University	783, 1605	
State Department of Public Instruction, Topeka	055		University of Southern Mississippi, Hattiesburg	1734	
University of Kansas, Lawrence	594, 620, 1182, 2108, F-010		Missouri		
Kentucky			State Department of Education, Jefferson City	408, 1607	
University of Kentucky, Lexington	1700		University of Kansas City, Kansas City	371	
University of Louisville	1005, 1370, 1701		University of Missouri, Columbia	1082, 2141	
Louisiana			Washington University, St. Louis	390, 403, 570, 642, 798, 816, 929, 1026, 1226, 1338	
Grambling College, Grambling	513, 1704		Webster College, Webster Groves	D-093	
Southern University, Baton Rouge	1592		Nebraska		
Tulane University, New Orleans	1910		State Department of Education, Lincoln	146	
Maine			University of Nebraska, Lincoln	573, 1253, 1534, 2010, 2233, H-001	
State Department of Education, Augusta	382, 2024		New Jersey		
Maryland			Fairleigh Dickinson University, Teaneck	1750	
Goucher College, Towson, Baltimore	2169		Newark State College, Newark	162	
Johns Hopkins University, Baltimore	1203, 1218, 1999		Princeton University, Princeton	1928	
University of Maryland, College Park	748, 922		Rutgers University, New Brunswick	489, 526, 1038, 1479, 2071	
Massachusetts			New Mexico		
Boston University, Boston	014, 015, 407, 424, 916, D-014		University of New Mexico, Albuquerque	275	
Clark University, Worcester	1221		New York		
Harvard University, Cambridge	142 217, 436, 550, 551, 714, 715, 853, 896, 978, 1057, 1373, "A", "C", HS-058.		Bank Street College of Education, New York	1401, 2270, G-021	
Massachusetts Institute of Technology, Cambridge	336, 1316, G-010		Brooklyn College, Brooklyn	352, 787, 1153, 1758	
Regis College, Weston	052		City University of New York, New York	1368	
Tufts University, Medford	G-020		Columbia University, New York	167, 170, 214, 574, 647, 1269, 1393, 1497, 1692, 2023, "D," D-009, "E-1," F-008, HE-084.	
Williams College, Williamstown	1648		Cooper Union, New York	1726	
Michigan			Cornell University, Ithaca	639, 1680	
Central Michigan University, Mt. Pleasant	1731		Hunter College, New York	297, 392, 1635, 2139, H-022	
Eastern Michigan University, Ypsilanti	1828		New School for Social Research, New York	1738	
Hope College, Holland	697		New York Medical College, New York	908, 1099	
Merrill-Palmer Institute, Detroit	1166		New York University, New York	332, 2035, D-102, E-003, G-009	
Michigan State University, East Lansing	372, 412, 532, 590, 608, 629, 845, 846, 879, 918, 1146, 1412, 1443, 1640, 1646, 2104, 2174, 2321, E-002		Queens College, Flushing	690, 935	
Michigan State University, Oakland, Rochester	1150		State Education Department, Albany	144, 148, 1124, 1193, 1527, 1944, D-040	
University of Michigan, Ann Arbor	096, 099, 330, 451, 708, 753, 812, 850, 1073, 1143, 1163, 1167, 1283, 1286, 1414, 1422, 1474, 1577, 1584, 1796, 1816, 1853, 1866, 1938, 2047, 2171, 2258, 2339, E-006.		State University of New York, Buffalo	1856	
			State University of New York, College of Education, Albany	"B"	
			Syracuse University, Syracuse	018, 019, 047, 048, 078, 081, 082, 090, 091, 092, 127, 179, 181, 183, 259A, 378, 470, 512, 859, 862, 961, D-022, D-044, D-068, D-093, F-014, HS-081	

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University of Buffalo, Buffalo	1059, 1350	George Peabody College for Teachers, Nashville	076, 103, 155, 637, 1394
Vassar College, Poughkeepsie	684, 736, 1919	Vanderbilt University, Nashville	012, 469, 657, D-098
North Carolina		Texas	
North Carolina State College, Raleigh	1242	Stephen F. Austin State College, Nacogdoches	2311
University of North Carolina, Chapel Hill	168, 722, 906, 1168, 1521	Texas Christian University, Ft. Worth	833, 1351, 1575
North Dakota		Texas Education Agency, Austin	212
North Dakota State University, Fargo	1266, 2234	University of Houston, Houston	418
University of North Dakota, Grand Forks	2196	University of Texas, Austin	025, 026, 172, 333, 681, 742, 1138, 1533, 1781, 1979
Ohio		Utah	
Kent State University, Kent	2021, 2101	Brigham Young University, Provo	1810
Ohio State University, Columbus	043, 259B, 320, 1530, 1632, 1746, 1757, 1898, 1934, 1983, 2213, 2288, E-014, E-016, F-002, F-015, HS-082	University of Utah, Salt Lake City	353, 444, 543, 621, 864, 1107, 1196, 1217, 1308, 1551, 2096, 2110, 2277.
State Department of Public Instruction, Columbus	D-076	Utah State University, Logan	577
University of Toledo, Toledo	640, 2177	Vermont	
Western Reserve University, Cleveland	184, 1298, 1517, 1743, 1772	Bennington College, Bennington	1926
Oklahoma		Virginia	
Oklahoma State University, Stillwater	1329, 1967	Hollins College, Hollins College	1863
University of Oklahoma, Norman	499	Marymount College of Virginia, Arlington	1549
Oregon		University of Virginia, Charlottesville	730, 1972
Southern Oregon College, Ashland	009	Virginia Polytechnic Institute, Blacksburg	1132
University of Oregon, Eugene	1759, 1760, H-023	Washington	
Pennsylvania		University of Washington, Seattle	309
Carnegie Institute of Technology, Pittsburgh	1046, 1770, F-007	Washington State University, Pullman	2055
Pennsylvania State University, University Park	065, 495, 1683, 1874, 2273	Western Washington State College, Bellingham	2341
University of Pennsylvania, Philadelphia	368, 2100	West Virginia	
University of Pittsburgh, Pittsburgh	226, 566, 635, 691, 1275, 1323, 1343, 1571, 1766, 1799, 2072, 2083, 2333, 2334, D-010, H-015, HS-041.	State Department of Education, Charleston	591
Rhode Island		West Virginia University, Morgantown	973, 2152
Brown University, Providence	1044, E-007	Wisconsin	
State Department of Education, Providence	186	University of Wisconsin, Madison	149, 150, 151, 152, 153, 154, 247, 268, 375, 485, 554, 674, 696, 766, 789, 932, 1051, 1094, 1202, 1299, 1318, 1391, 1417, 1440, 1442, 1495, 1528, 1621, 1755, 1913, G-001, H-029.
South Carolina		University of Wisconsin, Milwaukee	1091
Claflin University, Orangeburg	1339	Wyoming	
University of South Carolina, Columbia	1170	State Department of Education, Cheyenne	313
Guam		Puerto Rico	
Territorial College of Guam, Agana	477	University of Puerto Rico, Rio Piedras	131, 1018, 1963

APPENDIX C

Subject Index

The research projects conducted under Public Law 531 are classified below by subject and, where applicable, by instructional level, keyed as follows: A—adult education, E—elementary, C—college, P—preschool, and S—secondary.

<i>Subject</i>	<i>Project No.</i>	<i>Subject</i>	<i>Project No.</i>
Acceleration-----	1570-C, 2129-E, D-010-C	Administrators—Continued	
Achievement-----	014-ES, 052-S, 055-E, 082-ES, 144-S, 208-S, 226-S, 274-S, 352-E, 377-E, 387-ES, 397-S, 407-E, 423-E, 489-E, 492-ES, 503-S, 510-E, 542-SC, 566-S, 614-E, 619-E, 623-S, 635-S, 805-C, 812, 814-E, 845-S, 846-S, 873-E, 923-E, 933-E, 961-C, 1008-E, 1057-S, 1084-S, 1097-S, 1107-S, 1139-C, 1163, 1168-S, 1218-C, 1263-S, 1283-ES, 1286-ES, 1338-CA, 1352-E, 1353-S, 1391-E, 1411-S, 1417-C, 1521-P, 1523-S, 1527-ES, 1592-E, 1636-S, 1676-E, 1683, 1854-S, 1898-E, 1903-E, 1941-C, 2016, 2071, 2101, 2152-SC, 2177-E, 2196-E, 2199, 2202-C, 2225, D-005-E, D-022-ES, G-015.	Identification-----	677, 1076
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APPENDIX D

Libraries Maintaining CRP Final Reports

Final reports of the Office of Education's Cooperative Research Program are distributed to the following libraries through the Documents Expediting Project of the Library of Congress, Washington D.C., 20540.

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University, Tempe

Acquisitions Department, University of Arizona Library,
Tucson

California

Documents Department, The General Library, University
of California, Berkeley 4

Documents Department, The Honnold Library, Claremont
Library, Long Beach State College, Long Beach 4

Superintendent of Schools, 808 North Spring Street,
County of Los Angeles, Los Angeles 12

Government Publications Room, University of California
Library, Los Angeles 24

Library, University of Southern California, 700 West 35th
Place, Los Angeles 7

Documents Division, California State Library, Sacramento
9

Library, San Diego State College, San Diego 15

Cubberly Educat. : Library, School of Education,
Stanford University, Stanford

Colorado

Library, University of Colorado, Boulder
Library, Colorado State College, Greeley

District of Columbia

Library of Congress, Washington, D.C., 20540

Florida

Documents Division, University of Florida Libraries,
Gainesville

Library, Florida State University, Tallahassee

Georgia

Documents Section, University of Georgia Libraries,
Athens

Hawaii

Government Documents, University of Hawaii Library,
Honolulu

Illinois

Midwest Inter-Library Center, 5721 Cottage Grove
Avenue, Chicago 37

Documents Librarian, University of Chicago Library,
Chicago 37

Documents Division, Northwestern University Library,
Evanston

Gift and Exchange, University of Illinois Library, Urbana

Indiana

Documents Librarian, Indiana University Library,
Bloomington

Documents Librarian, Indiana State Library, 140 North
Senate Avenue, Indianapolis 4

Documents Librarian, Purdue University Library, Lafay-
ette

Library, Ball State Teachers College, Muncie

Director of Libraries, Indiana State Teachers College,
Terre Haute

Kansas

Documents Librarian, University of Kansas Library,
Lawrence

Maryland

Enoch Pratt Free Library, Documents Librarian, Balti-
more 1

Library, Johns Hopkins University, Baltimore 18

Curriculum Laboratory, Educational Services Section,
Montgomery County Board of Education, Washington
Street, Rockville

Massachusetts

Library, Lesley College, Cambridge 38

Library, School of Education, Boston College, Chestnut
Hill 67

Michigan

University Microfilm, 313 N. First Street, Ann Arbor

Documents Librarian, University of Michigan Library,
Ann Arbor

Book Receiving Department, Detroit Public Library, 5201
Woodward Avenue, Detroit 2

Library, Wayne State University, Detroit 2

Michigan—Continued

Documents, Michigan State University Library, East Lansing
Library, Eastern Michigan University, Ypsilanti

Minnesota

Documents Division, University of Minnesota Library, Minneapolis 14

Mississippi

Library, Mississippi Southern College, Post Office Box 53, Station A, Hattiesburg

Missouri

Serials Department, University of Missouri Library, Columbia

Documents Division, Kansas City Public Library, Ninth and Locust Streets, Kansas City

Nebraska

Documents Librarian, University of Nebraska Library, Lincoln 8

New Hampshire

Reference Department, Dartmouth College Library, Hanover

New Jersey

Periodical Department, Rutgers University Library, New Brunswick

Documents Librarian, Princeton University Library, Princeton

New York

Gift and Exchange, New York State Library, Albany 1
Library, Brooklyn College, Brooklyn 10¹

Social Science Division, Brooklyn College Library, Brooklyn 10

Documents Division, Brooklyn Public Library, Grand Army Plaza, Brooklyn 17

Government Documents, Cornell University Library, Ithaca

Documents Acquisition, Columbia University Libraries, 535 West 114th Street, New York 27

Government Documents, New York Public Library, Fifth Avenue and 42d Street, New York 18

Redex Microprint Corporation, 115 University Place, New York 3

Acquisition Unit, United Nations Library, New York
Serials Division, Syracuse University Library, Syracuse 10

North Carolina

Library, University of North Carolina, Chapel Hill
Documents Librarian, Duke University Library, Durham

D. H. Hill Library, North Carolina State College, Raleigh

Ohio

Serial Division, Ohio State University Libraries, 1858 Neil Avenue, Columbus 10

Documents Librarian, Kent State University Library, Kent

Documents Librarian, Miami University Library, Oxford

Oklahoma

Public Documents Division, Oklahoma State Library, 109 State Capitol, Oklahoma City 5
Documents Librarian, Oklahoma State University Library, Stillwater

Pennsylvania

Library, Lehigh University, Bethlehem
Technical Services, Room 46, Box 1601, The Pennsylvania State Library, Harrisburg

Public Documents, Free Library of Philadelphia, Philadelphia 3

Biddle Law Library, University of Pennsylvania, Philadelphia 4

American Institute for Research, 410 Amberson Avenue, Pittsburgh 32

Reference Department, Carnegie Library of Pittsburgh, Pittsburgh 13

Documents, Pennsylvania State University Library, University Park

Rhode Island

Documents Division, Brown University Library, Providence 12

South Carolina

Education Library, University of South Carolina, Columbia

Tennessee

Documents Librarian, University of Tennessee Library, Knoxville 16

Joint University Libraries,² Nashville

Texas

Documents Librarian, Dallas Public Library, Dallas

Documents Department, Mary Couts Burnett Library, Texas Christian University, Fort Worth 29

Utah

Document Section, Brigham Young University, Provo
Library Periodical Room, University of Utah, Salt Lake City

Virginia

Public Documents, University of Virginia Library, Charlottesville

Washington

Library, Washington State University, Pullman
Documents Librarian, University of Washington Library, Seattle 5

Wyoming

Library, University of Wyoming, Laramie

Wisconsin

Milwaukee Public Library, Acquisition Division, 814 West Wisconsin Avenue, Milwaukee

¹ Separate subscription.

² Include George Peabody College, Vanderbilt University, and Scarritt College.

APPENDIX E

Final Reports Available and Cost

The following final reports are available from the Photoduplication Service, Library of Congress, Washington, D.C., 20540, at the prices indicated.

<i>Project number</i>	<i>Number of pages</i>	<i>Cost</i>		<i>Project number</i>	<i>Number of pages</i>	<i>Cost</i>	
		<i>Photocopy</i>	<i>Microfilm</i>			<i>Photocopy</i>	<i>Microfilm</i>
008-----	154	\$7.70	\$2.50	153-----	175	\$8.75	\$2.25
009-----	90	4.50	2.25	154-----	134	6.70	2.25
011-----	312	15.60	2.25	155-----	192	9.60	2.25
014-----	35	2.25	2.25	156-----	95	4.75	2.25
015-----	98	4.90	2.25	157-----	713	35.65	7.76
018 (2 vol.)-----	1,358	67.90	7.53	159-----	168	8.40	2.25
019-----	68	3.40	2.25	160-----	96	4.80	2.25
025-----	330	16.50	2.25	162-----	182	9.10	2.25
026-----	185	9.25	2.25	165-----	185	9.25	2.25
039-----	216	10.80	2.25	167 (2 vol.)-----	450	22.50	2.65
042-----	29	2.25	2.25	168-----	255	12.75	2.25
043-----	100	5.00	2.25	169-----	111	5.55	2.25
047-----	139	6.95	2.25	170-----	134	6.70	2.25
048-----	226	11.30	2.25	171-----	189	9.45	2.25
052-----	51	2.55	2.25	172-----	467	23.35	2.48
065-----	93	4.65	2.25	173-----	90	4.50	2.25
076-----	64	3.20	2.25	175-----	146	7.30	2.25
078-----	72	3.60	2.25	176-----	384	19.20	2.25
081-----	47	2.35	2.25	178-----	560	28.00	2.96
082-----	214	10.70	2.25	181-----	165	8.25	2.25
090-----	836	41.80	4.40	183-----	132	6.60	2.25
091-----	181	9.05	2.25	184-----	280	14.00	2.25
092-----	61	3.05	2.25	185-----	378	18.90	2.25
096-----	47	2.35	2.25	192-----	146	7.30	2.25
098-----	410	20.50	2.49	200-----	151	7.65	2.25
099-----	42	2.25	2.25	201-----	20	2.25	2.25
103-----	262	13.19	2.25	208-----	62	3.10	2.25
109-----	118	5.90	2.25	212-----	232	11.60	2.25
120-----	582	29.10	2.89	214-----	638	31.90	3.69
127-----	155	7.75	2.25	221-----	66	3.30	2.25
131-----	227	11.35	2.25	226-----	376	18.80	2.25
139-----	106	5.30	2.25	245-----	561	28.06	3.29
142-----	139	6.95	2.25	247-----	131	6.55	2.25
144-----	304	15.20	2.25	258-----	236	11.80	2.25
145-----	101	5.05	3.25	263-----	221	11.05	2.25
146-----	184	9.20	2.25	266-----	43	2.25	2.25
148-----	181	9.05	2.25	273-----	65	3.25	2.25
149-----	30	2.25	2.25	274-----	95	4.75	2.25
150-----	169	8.45	2.25	275-----	315	15.75	2.25
151-----	69	3.45	2.25	289-----	122	6.10	2.25
152-----	86	4.30	2.25	297-----	57	2.85	2.25

COOPERATIVE RESEARCH PROJECTS—1956 TO 1963

<i>Project number</i>	<i>Number of pages</i>	<i>Cost</i>	<i>Photocopy</i>	<i>Microfilm</i>	<i>Project number</i>	<i>Number of pages</i>	<i>Cost</i>	<i>Photocopy</i>	<i>Microfilm</i>
307	40	\$2.25	\$2.25		561	145	\$7.25	\$2.25	
308 (2 vol.)	578	28.90	3.29		562	176	8.80	2.25	
309	159	7.95	2.25		570	38	2.25	2.25	
313	80	4.00	2.25		573	40	2.25	2.25	
320	215	10.75	2.25		574	31	2.25	2.25	
324	147	7.35	2.25		578	141	7.05	2.25	
332	123	6.15	2.25		589	251	12.55	2.25	
333	60	3.00	2.25		591 (2 vol.)	158	7.90	2.25	
336	94	4.70	2.25		613	161	8.05	2.25	
341	105	5.25	2.25		614	83	4.15	2.25	
348	92	4.60	2.25		620	135	6.75	2.25	
352	207	10.35	2.25		623	176	8.80	2.25	
353	416	20.80	2.41		629	90	4.50	2.25	
365	109	5.45	2.25		637	177	8.85	2.25	
367	139	6.95	2.25		640	78	3.90	2.25	
368	99	4.95	2.25		642	218	10.90	2.25	
372	133	6.65	2.25		647	78	3.90	2.25	
375	87	4.35	2.25		649	174	8.70	2.25	
377	63	3.15	2.25		657	385	19.25	2.33	
382	101	5.05	2.25		664	33	2.25	2.25	
385 (3 vol.)	786	39.30	4.41		668	59	2.95	2.25	
390	26	2.25	2.25		672	123	6.15	2.25	
392	62	3.10	2.25		674	55	2.75	2.25	
397	263	13.15	2.25		677	198	9.90	2.25	
401	258	12.95	2.25		684	66	3.30	2.25	
403	142	7.10	2.25		685	58	2.90	2.25	
407	90	4.00	2.25		691	191	9.55	2.25	
408	132	6.60	2.25		701	118	5.90	2.25	
412	338	16.90	2.25		702	219	10.95	2.25	
416	109	5.45	2.25		708	170	8.50	2.25	
418	65	3.25	2.25		714	187	9.35	2.25	
419 (4 vol.)	231	11.55	2.25		715	115	5.75	2.25	
423	65	3.25	2.25		722	267	13.35	2.25	
424	68	3.40	2.25		729	119	5.95	2.25	
428	385	19.25	2.33		730	68	3.40	2.25	
444	207	10.35	2.25		736	178	8.90	2.25	
451	82	4.10	2.25		737	35	2.25	2.25	
453	108	5.40	2.25		739	53	2.65	2.25	
457	40	2.25	2.25		748	134	6.70	2.25	
469	224	11.20	2.25		753	122	6.10	2.25	
470	383	19.15	2.25		757	54	2.70	2.25	
473	118	5.90	2.25		761	155	7.75	2.25	
477	25	2.25	2.25		763	55	2.75	2.25	
485	121	6.05	2.25		766	126	6.30	2.25	
489	218	10.90	2.25		783	75	3.75	2.25	
492	185	9.25	2.25		787	105	5.25	2.25	
495	110	5.50	2.25		789	63	3.15	2.25	
499	36	2.25	2.25		803	153	7.65	2.25	
502	83	4.15	2.25		805	92	4.60	2.25	
507	677	33.85	3.68		812	170	8.50	2.25	
509	243	12.15	2.25		813	30	2.25	2.25	
510	44	2.25	2.25		816 (2 vol.)	374	18.70	2.25	
513	96	4.80	2.25		833	114	5.70	2.25	
526	98	4.90	2.25		846	530	26.50	3.13	
532	77	3.85	2.25		864	127	6.35	2.25	
538 (2 vol.)	374	18.70	2.25		878	419	20.95	2.49	
543	197	1.85	2.25		896	199	9.95	2.25	
550	63	3.15	2.25		922	126	6.30	2.25	
554	138	6.90	2.25		923	45	2.25	2.25	
557	103	5.15	2.25		934	33	2.25	2.25	

APPENDIX E

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<i>Project number</i>	<i>Number of pages</i>	<i>Cost</i>		<i>Project number</i>	<i>Number of pages</i>	<i>Cost</i>	
		<i>Photocopy</i>	<i>Microfilm</i>			<i>Photocopy</i>	<i>Microfilm</i>
938 (2 vol.)-----	447	\$22.35	\$2.65	1266-----	39	\$2.25	\$2.25
954-----	188	9.40	2.25	1275-----	72	3.60	2.25
973-----	130	6.50	2.25	1283-----	175	8.75	2.25
975-----	148	7.40	2.25	1298-----	335	16.75	2.25
1005-----	44	2.25	2.25	1299-----	153	7.65	2.25
1008-----	209	10.45	2.25	1329-----	572	28.60	3.29
1015 (5 vol.)-----	281	14.05	2.25	1344-----	152	7.60	2.25
1038-----	263	13.15	2.25	1368-----	137	6.85	2.25
1040-----	358	17.90	2.25	1417-----	134	6.70	2.25
1048-----	78	3.90	2.25	1449-----	210	10.50	2.25
1097-----	75	3.75	2.25	1524-----	50	2.50	2.25
1107-----	92	4.60	2.25	"A"-----	6	2.25	2.25
1153-----	225	11.25	2.25	D-022-----	56	2.80	2.25
1182-----	199	9.95	2.25	E-001-----	85	4.25	2.25
1203-----	21	2.25	2.25	E-003-----	99	4.95	2.25
1218-----	26	2.25	2.25	F-001-----	153	7.65	2.25
1226-----	44	2.25	2.25	F-002-----	283	14.15	2.25
1253-----	76	3.80	2.25	F-007-----	115	5.75	2.25
1263-----	164	8.20	2.25	G-001-----	174	8.70	2.25

APPENDIX F

Cooperative Research Publications

A single copy of each of the following publications may be obtained free from the Publications Inquiry Unit, Office of Education, U.S. Department of Health, Education, and Welfare, Washington, D.C., 20202. Multiple copies may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402.

	<i>Cost</i>	
<i>Motor Characteristics of the Mentally Retarded</i> by Robert J. Francis and Lawrence Rarick (OE-35005)	\$.20	<i>Types of Tests in Project Talent</i> by John T. Dailey and Marion F. Shaycoft (OE-25014)-----
<i>The Gifted Student</i> by J. W. Getzels and others (OE-35016)	.35	<i>Role of the School in Prevention of Juvenile Delinquency</i> , William R. Carriker, editor (OE-25034)-----
<i>Research Problems in Mathematics Education</i> by Philip H. DuBois and others (OE-12008)	.55	<i>Needed Research in the Teaching of English</i> by Erwin R. Steinberg (OE-30010)-----
<i>Social Climates in High Schools</i> by James S. Coleman (OE-33016)	.30	<i>Cooperative Research Projects—Fiscal 1957</i> , Part I by Romaine P. Mackie and Harold M. Williams; Part II by Alice Yeomans Seates (OE-12007)-----
<i>Influence of Voter Turnout on School Bond and Tax Elections</i> by Richard F. Carter and William G. Savard	.20	<i>Cooperative Research Projects—Fiscal 1958</i> by David L. Clark and Alice Y. Seates (OE-12006)-----
<i>Teaching by Machine</i> by Lawrence M. Stolzow (OE-34010)	.65	<i>Cooperative Research Projects—Fiscal 1959</i> (OE-12004)-----
<i>Job Motivations and Satisfactions of College Teachers</i> by Ruth E. Eckert and John E. Stocklein (OE-53009)	.35	<i>Cooperative Research Projects—Fiscal 1960</i> (OE-12004-60)-----
<i>Factors Related to College Attendance</i> by Robert H. Beezer and Howard F. Hjelm (OE-54023)	.20	<i>Cooperative Research Projects—Fiscal 1961</i> (OE-12004-61)-----
		<i>Cooperative Research Projects—Fiscal 1962</i> (OE-12004-62)-----

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